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DEPARTMENT OF THE INTERIOR.  
UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY.  
F. V. HAYDEN, U. S. Geologist-in-Charge.

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SECOND INSTALMENT

OF

AMERICAN ORNITHOLOGICAL

**BIBLIOGRAPHY.**

BY

DR. ELLIOTT COUES, U. S. A.

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WASHINGTON, September 6, 1879.



## Art. XVII.—Second Instalment of American Ornithological Bibliography.

By Dr. Elliott Coues, U. S. A.

Part First of the "Birds of the Colorado Valley", etc., contains a Bibliographical Appendix (pp. 567-784, or [1]-[218]), which consists of a "List of Faunal Publications relating to North American Ornithology", being the first instalment of a Universal Bibliography of Ornithology upon which the author of that work is still engaged.

The present article may be considered to continue the subject, as it gives the titles of "Faunal Publications" relating to the Ornithology of the rest of America.

The former piece of work has been received with great favor by ornithologists, whose kind expressions of interest assure him that his bibliographical material is welcome.

This further instalment of the work is constructed upon the same principles as the other, and with the same great pains to secure good results. Though of course much less extensive, containing only about 700 titles, it is scarcely less complete, and no less accurate, than the North American portion. The compiler takes this occasion to renew the request that those who are interested in the matter will point out defects which may be detected in any portion of the work now printed.

To those who may not be informed of the general plan of the whole Bibliography, he may explain that it is modelled after the "Zoological Record", and that the titles given in this second instalment are only those which an editor of the "Record" would have brought under the head of "Neotropical Region"—all general and miscellaneous works, and all those upon particular species, genera, or families of birds, being excluded.

1648. MARCGRAVE, G. *Historia Naturalis | Brasiliæ, | Auspicio et Beneficio | Illustriss. I. Mavritii Com. Nassav | illius Provincjæ et Maris summi Præfecti Adornata | In qua | Non tantum Plantæ et Animalia, sed et In- | digenarum morbi, ingenia et mores describuntur et | Iconibus supra quingentas illustrantur. | Lygdyn. Batavorum, | Apud Franciscum Hackium, et | Amstelodami, | Apud Lud. Elzevirium. 1648. | [Or.]*

Gulielmi Pisonis, M. D. | Lugduno-Batavi, | De | Medicina Brasiliensi | Libri Quatuor: | I. De Aëre, Aquis, & Locis. | II. De Morbis Endemiis. | III. De Venenosis & Antidotis. | IV. De Facultatibus Simplicium. | Et | Georgii Marcgrave de Lugduno-Batavi, | Misniei Germani, | Historiæ Rerum Na-

## 1648. MARCGRAVE, G.—Continued.

tyralivm | Brasiliæ. | Libri Octo: | Quorum | Tres priores agunt de Plantis. | Quartus de Piscibus. | Quintus de Avibus. | Sextus de Quadrupedibus & Serpētibz. | Septimus de Insectis. | Octavus de ipsa Regione, & illius Incolis. | Cvm | Appendice de Tapuyis, et Chilensibz. | Ioannes De Laet, | Antwerpianus, | In ordinem digessit & Annotationes addidit, & varia ab Auctore | Omissa supplevit & illustravit. |

Above titles covering both Piso and Maregrave; latter also separately subtitled in nearly identical words, omitting the Piso part of the title. 1 vol. folio. Engraved title to both, 1 l.; plain title to both, 1 l.; Piso to Prince William, 2 ll.; Piso to the reader, 1 l.; Piso's contents, 1 l.; Piso's text, pp. 1-122; Piso's index, 1 l.—Maregrave's subtitle, 1 l.; Maregrave's dedication, 1 l.; De Laet to the reader, 1 l.; Maregrave's contents and errata, 1 l.; Maregrave's text, pp. 1-292; Appendix, p. 293; Index,  $\frac{1}{2}$  + 3 ll. Unnumbered cuts in text of both authors.

The fifth book of Maregrave's part of this work treats of birds in fifteen chapters, as follows:—

Georgi Maregravi Historiæ Naturalis Brasiliæ Liber Quintus, Qui agit de Avibus, in Quo sunt Icones quatuor supra quinquaginta, et Annotationes octo, pp. 190-220, Cap. I.-XV.—I, p. 190, Nhanduagacu, Iacana (fig.), varie ejus species, Curicaca (fig.). II, p. 192, Tijepiranga (fig.), Iacapu, Iambu, Gallina africana (fig.), Guirangeima, Iupujuba (fig.), Sayacu, Ani (fig.), Guira guainumbi (fig.). III, p. 194, Jaguacati (fig.), Mitu (fig.), Mituporanga (fig.), Ibijau (2 figg.). IV, p. 196, Guainumbi varie species (fig.). V, p. 198, Iacupema (fig.), Iacamacaj (fig.), Iacurutu (fig.). Soco (fig.), Matuitui (fig.). VI, p. 200, Iabiru (fig.), Iabiru guacu (fig.), Manucodiata. VII, p. 201, Guirapunga utraque (2 figg.), Guiraqueera (fig.), Jacamaciri (fig.), Carlama (fig.). VIII, p. 203, Guara (fig.), Urutaurana (fig.), Maguari, Guarauna (fig.), Ajaja, Picui pinima, Pica eureba, Tuidara, Guacugnaeu, Tapera. IX, p. 205, Psittacorum majorum & minorum varie species. Tui vulgo Perroquet. Araracanga (fig.), etc. X, p. 207, Ipeeu (fig.), Urubu (fig.), Tamatia utraque (2 figg.), Guirajemoja (fig.), Gurrari nheengeta (fig.). XI, p. 209, Cocii Ardeæ species (fig.); alia species, Guiratinga, Ardeola (fig.), Iacarini, Guiratinga, Guirahengatu. XII, p. 211, Curneni (fig.), Caracara (fig.), Tijeguacu (fig.), Teitei, Guiragiraen beraba (fig.), Guiracoreba, Guiraperea, Iapacani, Cabure, Andira aca. XIII, p. 213, Maenagua (fig.), Columba silvestris species, Anas sylvestris, Urubitinga, Mareca utraque, Titeguacu paroara (fig.), Tangara utraque (fig.). XIV, p. 215, Anhima (fig.), Pitangua guacu (fig.), Atingaen camucu (fig.), Guira acangataru (fig.). XV, Matuitui (fig.), Aracari, Tucana, Anhinga (fig.), Ipecati apoa (fig.), Pullus gallinaceus monstrosus (quadrupes, fig.).

The figures are monstrous, reminding us of those of Gesner, for example, though many of the marked species are recognizable. The text, however, is minutely descriptive, and most of the species are identifiable.

This is a celebrated work, standing in much the same ornithological relation to South America that its virtual contemporary, Hernandez's, bears to Mexico. We have here the first description and primary basis of many species. Linnaeus and other early species-makers cite Maregrave freely, and he remains, in fact, quotable to-day. The reader will not fail to note that he has here the vernacular derivation of many names with which he is familiar in their quasi-Latin and even English rehabilitation, but the etymology of which would not necessarily be obvious to a classicist. Compare with the above the following, for example: *Nandou*, *Pyranga*, *Guira*, *Guiraca*, *Ani*, *Mitu*, *Mituporanga*, *Jacamari*, *Nacurutu*, *Jebiru*, *Carlama*, *Ajaja*, *Coreba*, *Maguari*, *Guarauna*, *Tapera*, *Aracanga*, *Ararauna*, *Urubu*, *Nengeta*, *Cocii*, *Caracara*, *Urubitinga*, *Tangara*, *Tanagra*, *Pitangua*, *Aracari*, *Tucana*, *Tocuan*, etc.

For an elaborate commentary on this work, see 1820 and 1824. LICHTENSTEIN, II.

1658. ROCHEFORT, C. DE. Histoire | naturelle et morale | des | Iles antilles | de l'Amerique. | Enrichie de plusieurs belles figures des Raretez les plus | considerables qui y sont decrites. | Avec vn Vocabulaire Caraïbe. | [[Dessin.] | A Rotterdam. | Chez Arnold Leers, | — | M. DC. LVIII. 1 vol. 8vo or sm. 4to. Eng. title, 8 prel. pp. incl. regular title, pp. 1-527, 6 ll. (contents).

Chapitre Quinzième, pp. 147-167, a fig. on p. 152, and a page of figs. on p. 166, "Des oiseaux les plus considerables des Antilles", des Fregates, des Fauves, des Aigrettes, etc., du Grand Gosier, des Poules d'eau, des Flammans (= *Platalea*), de l'Hirondelle, de plusieurs Oiseaux de terre, des Arras, des Canides, des Perroquets, des Porriques du tremble, du Pas-sereau, de l'Aigle de l'Orinoco, du Mansieny, du Colibry.—This is the orig. ed.



1666. ROCHEFORT, C. DE. The History of the Caribby-Islands, viz. Barbades, [etc.] In two Books. The First containing the Natural the Second the Moral History, of these islands. Illustrated, [etc.] Rendered into English by John Davis of Kidwelly. London. 1666. 4to. pp. 326, 4 pl.  
Not seen: title from Sabin's *Bibl. Amer.* Orig. ed. 1658, *q. v.*
1667. [STUBBES, DR. —.] Observations Made by a Curious and Learned Person, sailing from England, to the Caribe-Islands. < *Philos. Trans.*, ii, 1667, pp. 493-500.
1667. WARREN, G. Impartial Description of Surinam, . . . with a History of several strange Beasts, Birds, etc. 1667.  
Not seen. [See beyond, APPENDIX, 1715.]
1668. STUBBES, DR. —. An Enlargement of the Observations, formerly publisht, Numb. 27, made and generously imparted by that Learn'd and Inquisitive Physitian, Dr. Stubbess. < *Philos. Trans.*, iii, 1668, pp. 699-709.  
Allusions to a few birds.
1651. [ROCHEFORT, C. DE.] Histoire | Naturelle et Morale | des | Iles Antilles | de l'Amerique, | Enrichie d'un grand nombre de belles Figures en taille douce, qui | representent au naturelles Places, & les Raretez les plus | considerables qui y sont decrites. | Avec un Vocabulaire Caraïbe. | Dernière Edition. | Revenü & augmentée par l'Auteur d'un Recit de l'Estat present des | celebres Colonies de la Virginie, de Marie-Land, de la Caroline, du | nouveau Duché d'York, de Penn-Sylvania, & de la nouvelle An- | gletterre, situées dans l'Amerique septentrionale, & qui rele- | vent de la Couronne du Roy de la grand' Bretagne. | Tiré fidelement des memoires des habitans des mêmes Colonies, | en faveur de ceux, qui auroient le dessein de s'y | transporter pour s'y établir. [Par César de Rochefort.] | [Vignette.] | A Rotterdam, | Chez Reinier Leers, | — | M. DC. LXXXI. 1 vol. Sm. 4to. Eng. title, plain title, both backed blank, and 16 more unpag'd ll., pp. 1-583, and 13 unpag'd pp.; then follow pp. 1-43, with a separate title, backed blank; many plates and other illustrations.  
Orig. ed. 1658, *q. v.* Chap. XV, pp. 163-182, "Des oiseaux les plus considerables des Antilles"; cut on p. 168, and page full of cuts p. 182.
1652. NIEBUHOF, J. Joan Nieuholfs Gedenkwaerdige Zee en Lantreize door de Voornaemste Landschappen van West en Oostindien. Amsterdam. 1652. Folio.  
Not seen. "The second part, beginning at p. 29, contains a cut representing several birds and a bat, with text descriptive of these and numerous other Brazilian birds. The figures are very good, much better than Maregrave's; the names are vernacular."—J. A. ALLIX, *in epist.* [See beyond, APPENDIX.]
1703. OLIVER, W. A Letter from Dr. William Oliver to the Publisher, giving his Remarks in a late Journey into Denmark and Holland. < *Philos. Trans.*, xxiii, 1703, pp. 1400-1410.  
Contains an account of a curious bird seen in Amsterdam from "Carthagona in America" described as "Vultur Americanus minor Carthagone Corpore elegantî & plumis admodum Concinne variegatis".
- 1707-25. SLOANE, H. A | Voyage | To the Islands | Madera, Barbados, Nieves, S. Christophers | and | Jamaica, | with the | Natural History | of the | Herbs and Trees, Four-footed Beasts, Fishes, | Birds, Insects, Reptiles, &c. | Of the last of those Islands: | To which is prefix'd An | Introduction, | Wherein is an Account of the | Inhabitants, Air, Waters, Diseases, Trade, &c | of that Place, with some Relations concerning the Neigh- | bouring Continent, and Islands of America. | — | Illustrated with | The Figures of the Things describ'd, | which have not been heretofore engraved: | In large Copper-Plates as big as the Life. | — | By Hans Sloane, M. D. | Fellow of the College of Physicians and Secretary | of the Royal-Society. | — | In Two Volumes. Vol. I [II]. | — | Man shall run to and fro, and Knowledge shall be increased. Dan. xii. 4. | — | London: Printed by B. M. for the Author, 1707 [1725]. 2 vols. Folio.

1707-25. SLOANE, H.—Continued.

Vol. I, 1707, 8 p. ll., pp. i-cliv. 1-264, pll. i-iv (i being a map), 1-156. Vol. II, 1725, 2 p. ll. (title and dedication), pp. i-xviii, 1-499, pll. v-xi, 157-274.

There are some literal discrepancies in the titles of the two vols.: in the second the author appears as "Sir Hans Sloane, Bart.", and the last line is simply "Printed for the author, 1725."—Vol. II, Book VI, Part II, pp. 293-325, "Of the Birds of Jamaica", pll. 254-272.—Chap. I, Of Land Birds, 54 spp. Chap. II, Of Birds which Wade, or Frequent Watery Places, 17 spp. Chap. III, Of Water-Fowl, or such as are web-footed and Swim, 11 spp.: in all, 82 spp. The plates are very coarse and poor; some of them are as ludicrous as anything in Gesner, for example. The ornithology of this work has no intrinsic value, but derives some importance from the fact that here are the original descriptions of various birds upon which Linnaean species rest wholly or in part. Sloane's pages and plates were constantly cited by writers of the century, as Catesby, Edwards, Brisson, Linnaeus, etc., and are sometimes referred to still.

1724. LABAT, —. *Nouveau Voyage aux Iles de l'Amérique*. 1724.

Not seen: said to contain natural history illustrations. [See APPENDIX, beyond.]

1729. WAFER, L. A New | Voyage | and | Description | of the | Isthmus of America. | Giving an Account of the | Author's Abode there, | The Form and Make of the Country, the Coasts, | Hills, Rivers, &c. Woods, Soil, Weather, &c. Trees, | Fruit, Beasts, Birds, Fish, &c. | The Indian Inhabitants, their Features, Complexion, | &c. their Manners, Customs, Employments, | Marriages, Feasts, Hunting, Computation, | Language, &c. | With Remarkable Occurrences in the South-Sea and | elsewhere. | — | By Lionel Wafer. | — | The Third Edition. | — | To which are added, | The Natural History of those Parts, | By a Fellow of the Royal Society: | and | Davis's Expedition to the Gold Mines, in 1702. | Illustrated with several Copper-Plates. | — | London, | Printed for James and John Knapton, at the | Crown in St. Paul's Church-Yard. M DCC XXIX.

Contained in vol. III of the series called "A Collection of Voyages", etc., 4 vols., London, 1729, being pp. 263-463 + 9, maps, plates.

"The Birds, and Flying Insects", pp. 334-339, consists of an account of sundry species by the author.

"An Additional Account of several Beasts, Birds, Fishes, Reptiles, &c. . . . Communicated by a Member of the Royal Society", Chap. II. Of the Birds, pp. 402-410. A formal account of no fewer than 118 spp., very curtly described under English names applied wholly at random.

1749. CONDAMINE, C. M. DE LA. *Relation abrégée d'un Voyage fait dans l'intérieur de l'Amérique méridionale, depuis la Côte de la Mer du Sud, jusques aux Côtes du Brésil & de la Guiane, en descendant la rivière des Amazones.* < *Mém. de l'Acad. Roy. des Sci. pour l'année 1745, 1749*, pp. 391-492, pll. viii, ix.

Notes sur les oiseaux, pp. 471-474.

1750. HUGHES, G. The | Natural History | of | Barbados. | — | In Ten Books. | — | By the Reverend | Mr. Griffith Hughes, A. M. | Rector of St. Lucy's Parish, in the said Island, and F. R. S. | — | [Vignette.] | — | London: | Printed for the Author; | And sold by most Booksellers in Great Britain and Ireland. MDCCCL. 1 vol. Folio. 8 p. ll. (title, dedication, subscribers, etc.), pp. i-viii (preface, errata), 1-314. + 11 ll. (explanatory notes, index, addenda), pll. 1-29, folded map, and head- and tail-pieces.

Book III, pp. 69-79, Of Birds. A few species are very lightly treated, though it is stated that "An Inspection into the Structure, Nature and Qualities of every Species will convince us, that every Individual is stamped with Marks of infinite Wisdom".

1756. BROWNE, PATRICK. The | Civil and Natural | History | of | Jamaica. | In Three Parts. | Containing, | I. An accurate Description of that Island, its Situation and Soil: | with a brief Account of its former and present State, Government, | Revenues, Produce, and Trade. | II. A History of the natural Productions, including the various Sorts | of native Fossils: perfect and imperfect Vegetables: Quadrupedes, | Birds, Fishes, Reptiles and Insects: with their Properties and Uses | in Mechanics, Diet, and Physic. | III. An Account of the Nature of Climates in General, and their | different Effects upon the human Body: with a Detail of the | Diseases arising from this Source, particularly within the Tropics. | In Three Dissertations. | The Whole illustrated with

## 1756. BROWNE, PATRICK.—Continued.

Fifty Copper-Plates: | In which the most curious Productions are represented of the natural Size, and | delineated immediately from the Objects. | — | By Patrick Browne, M. D. | — | London: | Printed for the Author; and sold by T. Osborne, and J. Shipton, | in Gray's-Inn. MDCCLVI. 1 vol. Folio. 4 p. ll. (two titles, dedication, and list of subscribers), pp. v-xiii (preface), 1-503, + 1 l., pl. i, map, pll. 1-49.

Chap. IV. Of Birds, pp. 466-483, none of the plates. § 1. Of the smaller frugivorous and granivorous birds with short and pointed conic bills, etc.: *Hicundo* 4, *Loxia* 1, *Fringilla* 5, *Motacilla* 1. § 2. Of the smaller granivorous and vermivorous birds with conic and moderately slender lengthened bills, etc.: *Columba* 10, *Teta* 1, *Turdus* 2. § 3. Of birds of the larger granivorous tribe with thick, conic, and moderately arched bills, proportioned limbs, and divided claws: *Para* 1, *Crax* 1, *Melagris* 1, *Gallus* 4, *Tetrao* 1. § 4. Of birds that have strong crooked bills and open claws, whose digits are generally furnished with strong arched nails: *Falco* 3, *Vultur* 1, *Psittacus* 11, *Strix* 2. § 5. Of birds that have large straight bills, of a length nearly equal to the middle digits, and moderately flattened above: *Corvus* 1, *Crotophaga* 1, *Picus* 1, *Burinus* 1. § 6. Of birds that have long slender bills that arch and taper very moderately to the top: *Polytus* 4, *Todus* 1, *Oriolus* 1, *Cuculus* 1, *Merops* 1, *Xanthornus* 2. § 7. Of birds whose bills are of a length with or longer than the middle digits, having long legs, partly naked thighs, and divided claws, and living chiefly in watery places, though they do not swim: *Tringa* 2, *Numenius* 1, *Ardea* 7. § 8. Of water-fowls, or birds that pass a considerable part of their time upon the water: *Fulica* 4, *Columbus* 1, *Phœnicopterus* 1, *Pelecanus* 1, *Cygnus* 2, *Anas* 6, *Anas* 2, *Larus* 4, *Sterna* 3, *Alcyon* 2. Under such classification the number of species indicated by the figures given are treated, with numbered generic, but no specific names, with Latin diagnoses, some little synonymy, both Latin and vernacular, and miscellaneous observations. It was a considerable ornithological treatise in its time, freely cited by Brisson, Linnaeus, Edwards, and others; and some of these descriptions, like *Shoane's*, are the bases of species.—This is the orig. ed.: there is another, 1789.

1769. [BANCROFT, E.] 'An | Essay | on the | Natural History | of | Guiana, | In South America. | Containing | A Description of many Curious Productions | in the Animal and Vegetable Systems | of that Country. | Together with an Account of | The Religion, Manners, and Customs | of several Tribes of its Indian Inhabitants. | Interspersed with | A Variety of Literary and Medical Observations. | In Several Letters | from | A Gentleman of the Medical Faculty [E. Bancroft], | During his Residence in that Country. | — | —Adrespuclierimas ex tenebris ad lucem erutas alieno | labore deducimur. | Seneca, De brevitate vite, cap. xiv. | — | London. | Printed for T. Becket and P. A. De Hondt | in the Strand. MDCCLXIX. 1 vol. 16mo. Frontisp. (2-headed snake), 2 p. ll. (title and dedication), pp. i-iv. 1-402, + 3 ll. (contents and advts.).

This anonymous work, by Dr. E. Bancroft, contains, pp. 152-185, "the Description of Birds inhabiting the aerial regions of Guiana, which, for the variety, vivacity and lustre of colours that adorn their plumage, are no where excelled".—There is a German version of same date.

1769. BANCROFT, E. Naturgeschichte | von | Guiana | in | Süd-Amerika. | worinn | von der natürlichen Beschaffenheit und den vor- | nehmsten Naturproducten des Landes, ingleichen der Re- | ligion, Sitten und Gebräuchen verschiedener Stämme | der wilden Landes-Einwohner, Nachricht | ertheilet wird. | — | In vier Briefen. | Von | Eduard Bancroft, Esq. | — | Aus dem Englischen. | — | [Quotation from Seneca.] | — | Frankfurt und Leipzig. | bey J. Dodsley und Compagnie, 1769. 1 vol. 16mo. Frontispiece (2-headed snake), pp. i-x, 1 l., pp. 1-248, 1 l.

Vögel, pp. 91-112. In dieser Ausgabe, die Arten die bereits in den Schriften des Herrn Linné, oder von andern Schriftstellern beschrieben worden sind, sind mit den unter den Text gesetzten linnäischen Trivialnamen, oder Benennung anderer Schriftsteller kennbarer gemacht worden.—Vergl. die Originalausgabe, 1769.

1775. SONNINI DE MANONCOUR, C. N. S. Observation sur les Coqs et Poules de l'Amérique méridionale. < Journ. de Physique, vi, 1775, pp. 128, 129.

Not seen: title from Carus and Engelmann.—The article doubtless refers to *Croceidæ* or *Tinamidae*.

1775. SONNINI DE MANONCOUR, C. N. S. Observation sur les Mareils ou Faisans de la Guiana. < Journ. de Physique, v, 1775, pp. 345-350.

Not seen: title from Carus and Engelmann.—*Tinamidae*? *Croceidæ*?

1776. ANON. [Molina, G. I.] Compendio della Storia geografica, naturale e civile del regno del Chili. Bologna. 1776. Svo. 10 pll.

Not seen. Giebel, doubtless from Engelmann, gives such an edition as of "Molina"; but the first recognized edition is of 1782, *q. v.* See also Molina at 1808 and 1810. I do not know what this is, or what it may contain. Some clue to it may be given in the preface of the English version of 1808, where the American translator says:—"Through the politeness of a gentleman of his acquaintance, the translator has also been furnished with an anonymous compendium of the history of Chili, printed in Bologna in 1776, from which the supplementary notes to this volume are taken."

In respect to this anonymous compend, here is what Molina himself says in his preface to the original edition of the "Saggio", 1782—it is tacit admission of its authorship—"Le storie, o piuttosto le relazioni stampate, oltre ai quattro Poemi, che coronano impressi sulla guerra Araucana, . . . ed un Compendio anonimo, che si pubblicò in lingua Italiana nel 1776, il quale in certo modo dà una notizia più compiuta del Chili di quella, che danno le altre opere stampate, particolarmente intorno alla Geografia, e alla storia Naturale. Nulladimeno come questo Compendio è anche troppo ristretto, così io ho creduto di fare un servizio non inutile agli amatori delle cose Americane, presentando loro un ragguaglio più disteso e più circostanziato de' prodotti, e de' successi più notabili dello stesso Paese."

1776. CLAYTON, W. An Account of the Falkland Islands. < *Philos. Trans.*, lxvi, pt. i, 1776, pp. 99-108.

Considerable account of Penguins, Geese, and other birds, pp. 103-105.

1782. MOLINA, G. I. Saggio | sulla Storia Naturale | del | Chili | del Signor Abate | Giovanni Ignazio | Molina. | [Vignette.] | In Bologna MDCCCLXXXII. | — | Nella Stamperia di S. Tommaso d'Aquino. | Con licenza de' Superiori. 1 vol. 16mo (sigs. A 1, 1 l.; A 2, 1 l.; A 3, 1 l.; A 4, 5 ll.). pp. 368, map opp. p. 17. >Libro IV. Vermì, Insetti, Rettili, Pesci, Uccelli, o Quadrupedi del Chili, pp. 193-367.

This is the *editio princeps* of the celebrated work. There are numerous later editions in various languages, which see below: German, Leipzig, 1786; Spanish, Madrid, 1788; French, Paris, 1789; American, Middletown, Conn., 1808; English, London, 1809; Italian again, Bologna, 1810. See especially 1808 and 1810. Consult also 1776, ANON. See *Trans. Linn. Soc.*, vii, p. 225; *Oken's Isis*, ix, 1833, p. 824; *Rev. Zoologique*, 1840, p. 147. See also Philippi's Comentario. *Anal. Univ. Chile*, xxix, 1867, pp. 788-795.

Molina is famous in the annals of South American ornithology. Being a binomenclator after the most approved fashion of the time, he is citable as authority for species, and most of those he describes are new, antedating Gmelin (1788) and Latham (*Ind. Orn.*, 1790). The ornithological matter consists, first, of a general treatise on the birds of Chili, pp. 232-268; second, of a synopsis, pp. 343-345, in which the species receive formal Latin diagnoses in the Linnaean manner (Catalogo delle nuove specie descritte in questo Saggio ordinate secondo il Sistema Linneo). The general text of the former is accompanied also by Latin diagnoses of the species treated in footnotes. As this edition is not very generally accessible, I give the names of the species treated, with the pages on which each occurs. All are new excepting the three marked "Linn."

*Anas regia*, pp. 234, 344; *A. coscoroba*, pp. 234, 344; *A. melanocorypha*, pp. 234, 344; *Ardea erythrocephala*, pp. 235, 344; *A. galatea*, pp. 235, 344; *A. cyanocephala*, pp. 235, 344; *A. thula*, pp. 235, 344; *Columba melanoptera*, pp. 236, 345; *Picus lignarius*, pp. 236, 343; *P. pitius*, pp. 236, 343; *Dionidea chilensis*, pp. 238-344; *D. chilensis*, pp. 239, 344; *Pelecanus thagus*, pp. 240, 344; *Anas hybrida*, pp. 241, 344; *Phasianopterus chilensis*, pp. 242, 344; *Tantalus pillus*, pp. 243, 344; *Trochilus minivorus* ("Linn."), p. 246; *T. cyanocephalus*, pp. 247, 343; *T. galeritus*, pp. 247, 343; *Fringilla barbata*, pp. 247, 345; *F. diuca*, pp. 249, 345; *Turdus thilius*, pp. 250, 345; *T. theca*, pp. 250, 345; *Turdus curaeus*, pp. 252, 345; *Sturnus loyca*, pp. 254, 345; *Phytotoma* (gen. nov.) *cara*, pp. 254, 345; *Psittacus equanalis*, pp. 256, 343; *P. chorvus*, pp. 257, 343; *P. jaguilna*, pp. 257, 343; *Parca chilensis*, pp. 258, 344; *Otis chilensis*, pp. 250, 344; *Struthio rea* (Linn.), p. 261; *Strix cucularia*, pp. 263, 343; *Falco tharus*, pp. 264, 343; *Vultur* [sic] *jota*, p. 265, 343; *Vultur gryphus* (Linn.), p. 266.

The following is a complete and exact transcript of the systematic catalogue, pp. 343-345, giving the names and diagnoses of all Molina's new species:—

#### AVES.

##### Accipitres.

*Vultur Jota niger*, remigibus fuscis, rostro cineraceo.

*Falco Tharus* cera, pedibusque luteis, corpore albo-nigrescente, vertice cristato.

*Strix Cucularia* capite levi, corpore supra fusco, subtus albo, pedibus tuberculatis pilosis.

## 1782. MOLINA, G. I.—Continued.

*Picer.*

*Psittacus Jaquima macrourus* viridis, remigibus apice fuscis, orbitis fulvis.

*Psittacus Cyanalysis brachyurus* luteo-virens, collare caeruleo, uropygio rubro.

*Psittacus Chrysotis* brachyurus viridis, subtus cinereus, orbitis incarnatis.

*Picus Lignarius* pileo coccineo, corpore albo, caeruleoque vittato.

*Picus Pitius* cauda brevi, corpore fusco maculis ovalibus albis guttato.

*Trochilus Cyanocephalus rectirostris* capite, remigibus, rectricibusque caeruleis, abdomine rubro.

*Trochilus Galeritis curvirostris viridi-aeneus, remigibus, rectricibusque fuscis, crista purpurea.*

*Answer 8.*

*Anas Melancorypha* rostro semicylindrico rubro, capite nigro, corpore albo.

*Anas Hybrida* rostro semicylindrico, cera rubra, cauda acutiuscula.

*Anas Regia caruncula compressa frontali, corpore caeruleo subtus fusco, collari albo.*

*Anas Cuscoroba* rostro extremo dilatato, rotundato, corpore albo.

*Diomedea Chilensis* alis impennibus, pedibus compedibus tridactylis, digitis omnibus connexis.

*Diomedea Chiloensis* alis impinnibus, pedibus compedibus tetradactylis palmatis, corpore lanuginoso cinereo.

*Pelecanus Thagus cauda rotundata, rostro serrato, gula saccata.*

## Girallor,

*Phenicopterus Chilensis* ruber, remigibus albis.

*Ardea Erythrocephala crista* dependente rubra, corpore albo.

*Ardea Galatea occipite suberistato, corpore lacteolo, rostro luteo, pedibus coccineis.*

*Ardea Cyanocephala vertice cristato caeruleo, remigibus nigris albo marginatis.*

*Ardea Thula occipite cristato concolore, corpore albo.*

*Tantalus Ptilus* facie, rostro, pedibusque fuscis, corpore albo, remigibus rectricibusque nigris.

*Parra Chilensis* unguibus modicis, pedibus fuscis, occipite suberistato.

Otis *Chilensis* capite, juguloque levi, corpore albo, vertice tectricibusque cinereis, remigibus primor. nigris.

*Passeres.*

*Columba Melanoptera* cauda cuneata, corpore caeruleo, remigibus nigris.

*Sturnus Loyca fusco, alboque maculatus, pectore coccineo.*

*Turdus Thilius ater, axillis luteis, cauda cuneata.*

*Turdus Thenca* fusco-cinereus, subtus pallido-cinereus, remigibus rectricibusque apice albis.

*Turdus Curaeus* ater nitens, rostro substriato, cauda cuneata.

*Fringilla Barbatula lutea*, alis viridibus, nigro rubroque maculatis, gula barbata.

*Fringilla Diuca caerulea, gula alba.*

**Phytotoma** (*gen. nov.*)    Rostrum conicum, rectum, serratum.

1. *Plantago* Beau. Nares ovata.

Lingua brevis obtusa.

1783. MOLINA, G. I. Essai sur l'Histoire Naturelle de Chili. Paris. 1783. 8vo.

Not seen: title of this French version from Ag. & Strickl., *Bibl.*—Orig. ed. 1782, *q. v.*  
There is another French ed., 1789, *q. v.*

1784. DOBRIZHOFFER, M. *Historia de Abiponibus, Equestri, Bellicosaque Paraquarie Natione, locupletata copiosis Barbararum Gentium, Urbium, Fluminum, Terrarum, Amphibiorum, Insectorum, Serpentium præcipuorum, Piscium, Avium, Arborum, Plantarum, aliorumque ejusdem Provinciæ Proprietatum Observationibus; Authore Martino Dobrizhoffler, Presbytero, et per Annos duodeviginti Paraquarie Missionario.* Vienna. 1784.

The *editio princeps*, not seen by me. There is a German translation, Vienna, 1781, and a later English version, London, 1822, *q. v.*

1785. SONNINI DE MAXENCOUR, C. N. S. Du Sasa, Oiseau de la Guyane. < *Journ. de Physique*, xxvii, 1785, pp. 222-224.—*Licht. und Voigt's Magaz.*, (3), iv, 1787, pp. 45-50 (über den Sasa, einen Vogel aus Guiana).

Not seen: titles of both these articles from Carus and Engelmann. The "Sasa" is *Opisthocometus cristatus*. Giebel makes "du Sasa" a part of Sonnini's name.

1786. FAHLBERG, S. Slutet af Samlingar til Natural-Historien öfver Ön St. Barthlemi i Vestindien. < *Kongl. Vetensk.-Acad. Nylt Handl.*, vii, 1786, pp. 248-254.

Chiefly botanical; a few birds given on p. 253.

1786. MOLINA, G. I. Versuch | einer | Naturgeschichte | von | Chili. | — | Von | Abbé J. Ignatz Molina. | Aus dem Italiänischen übersetzt | von | J. D. Brandis, | Doctor der Arzneywissenschaft. | — | Mit einer Landcharte. | — | Mit Churfürstl. Sächsischer Freyheit. | — | Leipzig. | bey Friedrich Gotthold Quebäcker 1786. 1 vol. 16mo (sigs. \*1, 1 l.; \*2, 1 l.; \*3, 1 l.; \*4, 1 l.; \*5, 4 ll.). 9 p. ll., pp. 1-328, map.

See the orig. ed., 1782. In this German version, the birds are at pp. 205-238, 304-306.

1788. MOLINA, G. I. Compendio | de la Historia Geografica, | Natural y Civil | del Reynode Chile, | escrito en Italiano | por el Abate Don Juan | Ignacio Molina. | Primera [Segunda] Parte. | que abraza la Historia Geografica | y Natural, | traducida en Español | Por Don Domingo Joseph | de Arquellada Mendoza, Individuo de la | Real Academia de Buenas Letras de Sevilla, y Maestrante | de Ronda. | En Madrid | por Don Antonio de Sancha. | Año M. DCC. LXXXVIII. | Se hallará en su Libreria en la Aduana vieja. 2 vols. sm. 4to shape, 16mo type-bed (sigs. \*1, 1 l.; \*2, 4 ll.; \*\*2, 4 ll., etc.). Vol. I, pp. i-xx, 1-418, 1 map.

See the orig. ed., 1782. Only the first vol. is here cited: the second has a different title, though beginning similarly, relates to the civil history of Chili, translated and augmented by various notes by Nicolas de la Cruz y Bahamonde, and dates 1795; has portrait of Molina and several maps.

In this Spanish version, the bird-matter is in Part or Vol. I. as above cited, pp. 257-301, 390-393.

1789. BROWNE, PATRICK. Civil and Natural History of Jamaica. London. 1789. Fol. Not seen: said to contain a Linnaean index. It is the 2d ed. See the orig. ed., 1756.

1789. MOLINA, G. I. Essai | sur | L'Histoire Naturelle | du Chili, | Par M. l'Abbé Molina; | Traduit de l'Italien, & enrichi de notes, | Par M. Gravel, D. M. | — | A Paris, | Chez Née de la Rochelle, Libraire, rue du | Hurepoix, près du pont Saint-Michel, n<sup>o</sup>. 13. | — | M. DCC. LXXXIX. | Avec Approbation et Privilège du Roi. 1 vol. 16mo. (sigs. a 1, 1 l.; a 2, 1 l.; a 3, 1 l.; a 4, 5 ll.). pp. i-xvj, 1-352, no map.

See the orig. ed., 1782. In this French version, the bird-matter is at pp. 211-249, 321-324. The translator makes a separate head ("§ XXXV. Oiseaux. Génium en Chilien.") for the birds, and introduces Molina's binomials into the general text, in brackets.

1792. RICHARD, L. C., and BERNARD, J. P. Catalogue des Oiseaux envoyés de Cayenne par Le Blond. <Actes Soc. Hist. Nat. Paris, i, 1792, pp. 116-119.

Not seen: title from Carns and Engelmann, *Bibl.*

1794. WEST, H. Beyträge | zur | Beschreibung | von | St. Croix. | — | Nebst einer | kurzen Uebersicht | der benachbarten Inseln, | St. Thomas, St. Jean, Tortola, Spanishtown | und Krabbeneyland | von | Hans West, | Rector am Westindischen Schulinstitut. | — | Aus dem Dänischen, | mit Verbesserungen und Vermehrungen des Verfassers. | — | Kopenhagen, 1794. | Bey C. G. Profft, Sohn und Compagnie. 1 vol. 16mo. 2 p. ll., pp. 1-274.

Orig. ed. 1793, [q. v., beyond, APPEND.] *Ardea coerules* and *Fulica chloropus*, p. 243.

- 1802-05. AZARA, F. DE. Apuntamientos | para la Historia Natural | De Los Pájaros | del Paraguay | y Río de la Plata, | escritos | Por Don Felix de Azara. | Tomo Primero [Segundo, Tercero]. | Madrid MDCCCH [MDCCCV]. | en la imprenta de la viuda de Ibarra. | Con licencia. 3 vols. very small 4to (type-bed size of a 12mo). Vol. I, 1802, 1 p. l., pp. i-xx, 1-534 + 1 l. Vol. II, 1805, 1 p. l., pp. i-viii, 1-562 + 1 l. Vol. III, 1805, 1 p. l., pp. i-vi, 1-479 + 1 l.

*Editio princeps*—scarce, and seldom actually consulted, though constantly quoted. Sonnini's French translation, Paris, 1809, is oftener handled. Azara describes 418 species, all unfortunately under Spanish names only, as many of them are here published for the first time, and form the original basis of many binomial names later bestowed by Vieillot, Temminck, Lichtenstein, and others, to which, in the nature of the case, much uncertainty and no little confusion attaches in many instances. Hartlaub has published an invaluable Systematic Index (Bremen, 1847) to Azara, identifying the species as far as possible, with a concordance of *ed. princ.* and *ed. Sonnini*, and a considerable synonymy. From the latter I quote the following, referring to the learned and accurate commentator himself for further particulars:—

"Nur Wenigen ist Azara's berühmtes Werk über die Vögel Paraguay's in der spanischen

## 1802-05, AZARA, F. DE.—Continued.

1802 bis 1805 zu Madrid erschienenen Originalausgabe bekannt. Erst durch Somini's sehr verdienstliche Uebersetzung wurde dasselbe für die Wissenschaft im weiteren Umfange zugänglich. In dieser Uebersetzung sind die oft etwas verworren aneinandergefügt Originalbeschreibungen zweckmässig in Formen, Maasse und Färbung gesondert, und des Verfassers Bekanntschaft mit den Vögeln Gujana's erhöht den Werth des kritischen Theils desselben. Das erste Werk, in welchem Azara'sche Vögel systematische Benennungen erhalten, ist, wenn wir nicht irren, Temminck's „Histoire naturelle des Pigeons et des Gallinacées“. Bald darauf versuchte Vieillot in dem 1816 bis 1819 bei Deterville herausgegebenen „Dictionnaire d'histoire naturelle“ dieselben sämmtlich den dazumal aufgestellten Gattungen einzuverleihen und den seiner Ansicht nach zuvor unbeschriebenen wissenschaftliche Namen zu geben; ein Versuch, dessen mehr als zweifelhafter Erfolg momentan dem Umstande beizumessen ist, das Vieillot diese Vögel nur nach Beschreibungen kannte, mithin sowohl hinsichtlich ihrer systematischen Stellung als auch ihrer Artselbständigkeit in zahlreiche Irthümer verfallen musste. Unbenannt blieben von ihm nur wenige Arten, welche er nicht mit genügender Sicherheit in dieser oder jener Gattung unter bringen zu können glaubte. Für einzelne schuf er neue Genera, so *Mecturus* für den „Gallito“ und *Steganopus* für den „Chorlito del tarso comprimido“. In den drei die Ornithologie umfassenden Theilen des „Tableau encyclopédique et méthodique des trois règnes de la nature“ findet sich Vieillot's Nomenclatur der „Páxaros“ mit geringen Abänderungen reproducirt. Gleichzeitig mit letztgenanntem Buche, also 1823, erschien Lichtenstein's „Verzeichniss der Doubletten des zoologischen Museums der Königl. Universität zu Berlin“, ein Werkchen, welchem die Wissenschaft zum Theil aus dem Grunde einen dauernden Werth zugestanden hat, weil es die erste umfassendere kritische Benützung und Berücksichtigung der „Páxaros“ enthält. Unter 120 darin aufgeführten brasilianischen vom Verfasser mit Arten Azara's für identisch erklärten Vögeln befanden sich etwa 50, welche, da derselbe das „Dictionnaire d'histoire naturelle“ noch nicht kannte, von ihm systematische Benennungen erhalten, die dem freilich mit wenig Ausnahmen durch die früheren Vieillot's in den Rang von Synonymen zurückgedrängt werden. Eine sehr angemessene Würdigung finden Azara's Arbeiten in des Prinzen von Neuwied trefflichen „Beiträgen zur Naturgeschichte Brasiliens“. Etwa 150 Vögelarten Paraguay's glaubt derselbe für mit von ihm beobachteten gleichartig halten zu dürfen, und häufig findet er Gelegenheit des spanischen Naturforschers Bemerkungen über Lebensweise mit seinen eigenen zusammenzustellen und zu bestätigen.“

1807, HUMBOLDT, A. V. Über die Chinawälder in Südamerika. < *Mag. Gesell. Naturf. Freunde zu Berlin*, i, 1807, pp. 57-68.  
Behandelt Vögel, p. 59.

## 1808, MOLINA, G. L. The | Geographical, | Natural and Civil History | of | Chili. | — | By Abbe Don J. Ignatius Molina. | — | Illustrated by a half-sheet map of the country. | — | With notes | from the Spanish and French versions. | and | an appendix, | containing copious extracts from the Araucana | of Don Alonzo de Ercilla. | — | Translated from the original Italian, | by an American gentleman [A. Alsop]. | — | In two volumes. | Vol. I [11]. | — | Middletown, (Conn[ecticut, U. S.].) | Printed for L. Riley, | — | 1808. 2 vols. 8vo size, 4to by sigs., 4 ll. to a sig. Vol. I, 4 p. ll., pp. i-xii, 1-271, 1 l., map. Vol. II, 1 p. l., pp. i-viii, 1 blank l., 1-306, 1 unpagd p., 1 blank l.; (Appendix), pp. i-iv, 5-68.

See the original edition, 1782. In this, the earliest English version I know of, the bird-matter is in vol. I, chap. IV, sect. V, pp. 162-188, with the original Latin diagnoses at pp. 240-242; see also p. 268. *Phytotoma* here becomes "Phitotoma". As in some other versions, the footnotes of the original are here dispensed with, and the technical names are inserted in the text in parentheses.

"The author of the present work, Don Juan Ignatius (*i. e.* Giovanni Ignazio) Molina, was a native of Chili, distinguished for his literary acquirements, and particularly his knowledge of natural history, large collections in which he had made during his residence in that country. On the dissolution of the celebrated order of the Jesuits, of which he was a member, he shared the general fate of that community, in being expelled from the territories of Spain, and was at the same time deprived not only of his collections in natural history, but also of his manuscripts. The most important of the latter relative to Chili, he had, however, the good fortune to regain by accident some time after his residence in Bologna, in Italy, whither he had gone on his arrival in Europe. Furnished with these materials, he applied himself to writing the History of that country, which was published at two different periods: the first part, comprising the Natural History, in the year 1787 [qu. 1782], and the second, for reasons mentioned in his preface, not until some years after."

1809. AZARA, F. DE. Voyages | dans | l'Amérique Méridionale, | par Don Félix de Azara, | Commissaire et Commandant des limites Espagnoles de Paragnay | depuis 1781 jusqu'en 1801: | Contenant la description géographique, politique et civile du | Paragnay et de la rivière de La Plata: l'histoire de la découverte et de la conquête de ces contrées: des détails nombreux sur leur histoire naturelle, et sur les peuples sauvages | qui les habitent; le récit des moyens employés par les | Jésuites pour assujétir et civiliser les indigènes, etc. | Publiés d'après les manuscrits de l'auteur, | avec une notice sur sa vie et ses écrits, | Par C. A. Walckenaer: | enrichis de notes par G. Cuvier, | Secrétaire perpétuel de la classe des Sciences Physiques de l'Institut, etc. | Suivis de l'histoire naturelle des Oiseaux du Paraguay et de La Plata, par | le même auteur, traduit, d'après l'original espagnol, et augmentée | d'un grand nombre de notes, par M. Sonnini: | Accompagnés d'un atlas de vingt-cinq planches, | Tome Premier [-Quatrième]. | — | Paris, | Dentu, Imprimeur-Libraire, | Rue du Pont-de-Lodi, n<sup>o</sup> 3, | 1809. 4 vols. small 8vo. and large 4to atlas. Vols. I, II, no ornithology. Vol. III, 2 p. ll., pp. i, ii, 1-479. Vol. IV, 2 p. ll., pp. 1-380. Atlas, 4to, same date and imprint, titled Voyages | dans | L'Amérique méridionale, | par Don Félix de Azara, | — | Collection de planches. 2 ll. of text, pll. xxv. of which xxii-xxv are of birds.

In this French version by Sonnini, much better known than the original, Azara's *Apuntamientos para la historia natural de los Páxaros de Paragüay*, etc., are contained in the third and fourth volumes: four birds are figured in the atlas. Sonnini's translation is considered "meritorious", but has its shortcomings. See especially Hartlaub's *Systematischer Index*, 1847.

1809. MOLINA, G. I. The | Geographical, | Natural, and Civil | History of Chili, | Translated from the original Italian of | the Abbe Don J. Ignatius Molina, | — | To which are added, | Notes | from the Spanish and French versions, | and | two Appendixes, | by the English editor: | [etc., 5 lines.] | — | In two volumes, | — | Vol. I [II], | — | [London:] printed for Longman, Hurst, Rees, and Orme, | Paternoster-row, | — | 1809. 2 vols. 8vo. Vol. I, pp. i-xx, 1-321+1½ ll. advt., map. Vol. II, pp. i-xii, 1-385+1½ ll. advt.

See the original edition, 1782. This is apparently reprinted from the Middletown (Conn.) ed. of 1808, *q. v.*, with which it is substantially identical in the ornithological matter. Birds: Vol. I, Chap. IV, sect. V, pp. 191-222, and pp. 282-284; see also p. 317. But the English editor (as I may state for others than ornithologists) has added occasional notes over the initials E. E., and subjoined a further elucidation of the language of the Araucanos, from Falkner's Patagonia, besides adding the two appendixes mentioned in the title.

1810. LEDRU, A.-P. Voyage aux Iles de Ténériffe, la Trinité, Saint Thomas, Sainte-Croix et Porto-Ricco, . . . &c. Par Andre-Pierre Ledru . . . &c. Paris, 1810. 2 vols. 16mo. [See complete title beyond, ADDENDA.]

Not seen: cited from *Ibid.*, 1859, pp. 374, 375. M. Ledru was one of the naturalists (with Mangé) of the expedition commanded by Captain Baudin in 1796-98. His work contains (vol. II, pp. 36 et seq.) an "Essai sur l'histoire naturelle des îles danoises", by M. Sonnini, in which ornithology is represented by a variety of matter, some of it wild.

1810. MOLINA, G. I. Saggio | sulla Storia Naturale del Chili | di | Gio: Ignazio Molina. Seconda Edizione | accresciuta e arricchita di una nuova carta geografica | e del ritratto dell' autore, | „Hic vir assiduum, atque alienis mensibus aestas, . . . Bis gravidæ pecudes, bis pomis utilis arbor, . . . „Hæc eadem argenti rivos, ærisque metalla | „Ostendit venis, atque auro plurima fluxit | Virg. Georg. lib. 2, | Bologna 1810. | — | Tipografia de' fratelli Masi e comp. | 1 vol. Large 4to. Title, backed blank, frontisp. (portrait of Molina), dedication 2 ll., preface pp. (i) - (v) (v) p. vi blank; pp. (i) - (i) 206 (i) 11, errata; map.

The second *Italian* edition (original edition, 1782); but there had meanwhile been sundry others, in Spanish, French, German, and English, *qq. vv.* Respecting the present, the author says in the preface:—"Il Saggio sulla storia naturale del Regno del Chili venuto alla luce nell' anno 1782 non era altro che un succinto Compendio delle Osservazioni da me fatte circa gli Esseri appartenenti ai tre Regni della Natura, che si ritrovano in quel Paese. . . . Tutti le Nazioni colte dell' Europa lo vellerò tradotto nelle loro lingue. L'edizione originale fu ben presto smaltita. Pateggi dibrantanti di storia naturale, che non potevano più provvedersene, s'accordarono a farne una ristampa, e mi significarono il desiderio che avevano di arricchirla di un'appendice, se io fossi in grado di somministrar loro i materiali necessari."



## 1810. MOLINA, G. I.—Continued.

In this late edition, the ornithology occupies § xiii—§ xvii, pp. 197–226. It is entirely remodelled, largely rewritten, and much augmented. While all the earlier versions of “Molina” are substantially the same as the original of 1782, the present is therefore quite a different thing, and should be gingerly touched, by any one unfamiliar with the original, in any matter relating to nomenclature, or authority for species. The Latin diagnoses and the footnotes of the original have all disappeared, and with them has gone Molina as an original authority; he is here like another person or editor compiling from and enlarging upon “Molina”. The following names occur here:—

*Anas regia* “Frez.”, *A. pieta* “Lath.”, *A. coscoroba* “Diz. Chil.”, *A. hybris* “Diz. Chil.”, p. 198. *A. dispar*, *A. magellanica* “Lath.”, *A. melanocorypha* “Bongainv.”, *Pelecanus thagus* “Diz. Chil.”, p. 199. *P. carunculatus* “Lath.”, *P. cristatus* “Lath.”, p. 200. *P. magellanicus* “Lath.”, *Aptenodytes maxima*, *patagonica* “Lath.”, p. 201. *A. cyanocephala papua* “Lath.”, *A. saltatrix*, *chrysocome* “Lath.”, *A. præcineta*, *magellanica* “Lath.”, *A. chilensis* “Diz. Chil.”, *A. chilensis* “Lath.”, p. 202. *Phœnicopterus chilensis* “Oval. Stor.”, p. 203. *Tantalus pilius* “Diz. Chil.”, *Ardea cyanocephala*, p. 204. *A. erythrocephala* “Vid.”, *A. galatru*, *A. alba*, *lythula* “Diz. Chil.”, *Parra chilensis* “Diz. Chil. Oval.”, p. 205. *Fringilla barbata* “Diz. Chil. Ov.”, p. 209. *F. diuca* “Diz. Chil.”, p. 210. *Turdus thilius* “Diz. Chil.”, *T. cureus* “Diz. Chil.”, p. 211. *T. militaris* “Lath.”, p. 212. *T. thenca* “Diz. Chil.”, p. 213. *Phytotoma rara* “gen. nov. Vid.” (!), p. 214. *Picus pileatus* (!), *P. lineatus*, *al. lignarius*, *P. pitius*, p. 215. *Psittacus cyanolysius*, *P. choraens*, p. 216. *P. jakuhima*, *Columba turtur* (!), *C. melanoptera*, *C. passerina*, p. 217. *Tetrao perdix* (!), *Strix cucularia*, p. 218. *Otis chilensis* “Diz. Chil.”, p. 219. *Struthio chea* “Linn. Diz. Chil. Oval.”, *Vultur iota* “Diz. Chil.”, p. 220. *Falco tharus* “Diz. Chil.”, p. 221. *F. calquin* “Diz. Chil.”, *Vultur gryphus* “Linn.”, p. 223.

1814–26. LICHTENSTEIN, H. Die Werke von Maregrave und Piso über die Naturgeschichte Brasiliens u. s. w. <Abhandl. Berlin. Akad. (Phys. Kl.). 181 $\frac{1}{2}$ , pp. 201–222; 181 $\frac{2}{7}$ , pp. 155–178; 182 $\frac{3}{21}$ , pp. 237–257, 267–288; 1826, pp. 49–66.

It appears from Carus and Engelmann, that Lichtenstein's commentary on Piso and Maregrave originally appeared in instalments in *Abhandl. Berlin. Akad.* during several years; but I cannot now lay hands on the *Abhandlungen*. I give beyond, 1820 and 1824, titles taken from *Isis*, of what I suppose to be substantially the same thing, as far as the birds are concerned; the whole commentary, as above cited, relating also to other animals.

## 1819. AXON. [Notice of Spix and Martius's Brazilian Birds.] &lt;Isis, Jahrg. iii, 1819, pp. 1346–1350.

1820. LICHTENSTEIN, H. Maregrave's und Piso's Berichte über die Brasilischen Thiere, erläutert aus den wiederaufgefundenen Original-Abbildungen. <Oken's Isis, Jahrg. iv, 1820, *Litter. Anzeig.*, pp. 635–652. (Vorgelesen in der Berliner Akademie 17. April 1817.)

An important commentary on the work, identifying the names and descriptions of these authors, as far as the birds are concerned.—See preceding title; also, 1824, same author.

1820. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise des Prinzen Maximilian von Wied-Neuwied. Gedrängter Auszug aus dem ersten Theile desselben. Frankfurt bei Brönnner. 4. <Oken's Isis, Jahrg. iv, 1820, *Litter. Anzeig.*, pp. 809–832, 965–990.

## 1820. SCHREIBERS, C. v. Nachrichten von den kaiserl. österreichischen Naturforschern in Brasilien und den Resultaten ihrer Betriebsamkeit, vom Hof-Naturalien-cabinets-Direktor C. v. Schreibers. Brunn bey Tratzler 1820. 8. 191 nebst 1 Abb. v. Rio Janeiro und einem Plan der Stadt. &lt;Oken's Isis, Jahrg. iv, 1820, pp. 289–309.

Vergleiche 1823, SCHREIBERS, C. v.

## 1820–21. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise | nach | Brasilien | in den Jahren 1815 bis 1817 | von Maximilian | Prinz zu Wied-Neuwied. | — | Mit zwei und zwanzig Kupfern | nennzehn Vignetten und drei Karten. | — | Erster [zweyter] Band. | — | Frankfurt a. M. 1820 [1821]. | Gedruckt und verlegt bei Heinrich Ludwig Brönnner. 2 vols. Gr. 4to. Vol. I, 1820, pp. xxxvi, 350, 3 ll. Vol. II, 1821, pp. xviii, 346.

## 1821–22. MAXIMILIEN, PRINCE DE WIED-NEUWIED. Voyage | au Brésil. | dans les années 1815, 1816 et 1817, | par S. A. S. Maximilien. | Prince de Wied-Neuwied; | traduit de l'Allemand | par J. B. B. Eyriès. | Ouvrage enrichi d'un

## 1821-22. MAXIMILIAN, PRINCE DE WIED-NEUWIED.—Continued.

superbe atlas, composé de 41 planches | gravées en taille-douce, et de trois cartes. | — | Tome Premier [Second, Troisième]. | — | Paris, | Arthur Bertrand, Libraire, | Rue Hautefeuille, n° 23. | 1821 [1821, 1822]. | H. Baillière, 219, Regent street, London. 3 vols. 8vo. Vol. I, 1821, pp. xvj, 399. Vol. II, 1821, 2 p. ll., pp. iii, 400. Vol. III, 1822, 2 p. ll., pp. iii, 384, 3 maps.

## 1822. DOBRIZHOFFER, M. An | Account | of | the Abipones, | An Equestrian People | of | Paraguay. | — | From the Latin of Martin Dobrizhoffer, | eighteen years a missionary in that country. | — | In three volumes. | Vol. I[—III]. | — | London: | John Murray, Albemarle street. | 1822. 3 vols. 8vo.

Orig. ed. Latin, Vienna, 1784; ed. alt. Germ., ibid., 1784.—This English translation is anonymous, said to be by Sara Coleridge. Vol. I contains, pp. 308-323, accounts of sundry birds of Paraguay, of no special consequence.

1822. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Reise nach Brasilien in den Jahren 1815-17, von Maximilian, Prinz zu Wied-Neuwied. 2ter Band. Frankfurt a. M. bei Brönnner, 1821. 4. 345. mit 8 Kupf. in 4. und 8 in Fol. nebst 1 Charte. < *Oken's Isis*, Jahrg. vi, 1822, *Litter. Anzeig.*, pp. 249-262, 265-280.1822. SAINT-HILAIRE, AUGUSTE DE. Aperçu d'un Voyage dans l'intérieur du Brésil, La province Cisplatine et les Missions dites du Paraguay. < *Mém. du Mus. d'Hist. Nat.*, ix, 1822, pp. 307-380.

Note sur la *Cariama*, p. 323; *Oriolus aurantius* Valenc., p. 324.

1822. THUNBERG, C. P. Pipræ novae species descriptæ. < *Mém. de l'Acad. St.-Petersb.*, for 1817-1818, viii, 1822, pp. 282-287, pll. vii, viii.

PP. caudata (pl. 7, f. 1), forficata (pl. 7, f. 2), lineata (pl. 8, f. 1), cyanea (pl. 8, f. 2), viridis (pl. 8, f. 3), virens, pusilla (pl. 8, f. 4), fasciata, frontalis, cephalæus, flavogaster, brunnea, atra—nec omnes Pipræ generis sunt.

1823. ANON. Brasilianisches Museum in Wien. < *Oken's Isis*, Jahrg. vii, 1823, Beylage No. 9.

Remarks upon the specimens contained, with notes on the birds *passim*.

1823. SCHREIBERS, C. V. Nachrichten von den kaiserl. österreichischen Naturforschern in Brasilien und den Resultaten ihrer Betriebsamkeit. < *Oken's Isis*, Jahrg. vii, 1823, pp. 714-724.

Aus Amtsrelationen der k. k. Gesandtschaft und aus den Berichten der Naturforscher an Herrn v. Schreibers, und nach Untersuchung der eingesendeten Gegenstände u. s. w. (Brünn, bey Tratzler, Hft. 2, 1822, 8°, SS. 114.)—Unter den Vögeln, von 61 verschiedenen Arten, befinden sich 2 Geyser, 23 Papageyen, 69 Singvögel, 25 Tauben, 2 Hühner u. s. w.—Vergl. 1820, SCHREIBERS, C. V.

1823. SCHREIBERS, C. V. Nachrichten von den kaysrl. österreichischen Naturforschern in Brasilien den Resultaten ihrer Betriebsamkeit. < *Oken's Isis*, Jahrg. vii, 1823, pp. 1042-1065.

Aus Amtsrelationen der k. k. Gesandtschaft und aus den Berichten der Naturforscher. Von Hrn. von Schreibers, und nach Untersuchung der eingesendeten Gegenstände u. s. w. (Brünn, bey Tratzler, Hft. 2, 1822, 8°, SS. 114.)—Vögel, pp. 1061-1063.—Vergl. 1820, SCHREIBERS, C. V.

## 1823-31. SPIX, J. B. V., and MARTIUS, C. F. E. Reise in Brasilien auf Befehl Sr. Majestät Maximilian Joseph I. Königs von Baiern in den Jahren 1817 bis 1820 gemacht und beschrieben von Dr. Joh. Bapt. von Spix, und Dr. Carl Frieder. Phil. von Martius. München, 1823[—1831]. 3 Thle. 4to.

[See beyond, APPENDIX.]

1824. DESM . . ST [DESMAREST, A. G.] Abbildungen zur Naturgeschichte Brasiliens . . . par le prince Maximilien . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ii, 1824, p. 191.1824. F[ÉRUSSAC, — DE ?] Abbildungen zur Naturgeschichte Brasiliens. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., iii, 1824, pp. 221, 222.1824. LICHTENSTEIN, H. Die Werke von Maregrave und Piso, über die Naturgeschichte Brasiliens, erläutert aus den wieder aufgefundenen Original-Abbildungen von Lichtenstein. < *Oken's Isis*, Jahrg. viii, 1824, *Litter. Anzeig.*, pp. 57-74.

Aus d. *Abhandl. Berl. Akad.*—Vergl. auch 1820, LICHTENSTEIN, H.

- 1824-25. SPIX, J. B. V. "Avium species novae, quas in itinere per Brasiliam annis 1817-20 collegit et descripsit. 2 vols. Folio. Monachii, 1824-25. Vol. I, 1824, pp. 90, pll. 104. Vol. II, 1825, pp. 85, pll. 118."  
Not seen,—as I specially regret to say in this case.
1825. ANON. Beiträge zur Nat. Gesch. v. Brasilien von M. Prinzen zu Wied. Weimar, Landes-Industrie-Comptoir. 1825, 8. B. I. 612 mit 3 Kpfrt. <Oken's Isis, Jahrg. ix, 1825, pp. 1335-1340.  
Vögel, pp. 1337, 1338.
1825. BONAPARTE, C. [L.] Descriptions of ten species of South American Birds. <Journ. Acad. Nat. Sci. Phila., iv, 1825, pp. 370-387.  
*Monasa fusca* Bp., *Picus rubricollis* var.?, *Dendrocolaptes angustirostris*, *Fringilla flaveola*, *Tanagra flava*, *Muscicapa violenta* Bp., *Muscicapa taenioptera* Bp., *Muscicapa pullata* Bp., *Caprimulgus semitorquatus*, *Rallus nigricans*.
1825. BONAPARTE, C. [L.] Notes to the paper entitled Descriptions of ten species of South American Birds. <Journ. Acad. Nat. Sci. Phila., v, 1825, pp. 137-140.  
*Picus rubricollis* and 3 spp. of *Rallus*. *R. melanurus* Bp., p. 139.—Also separate, pp. 4.
1825. LESSON, [R.] P. Remarques sur quelques Oiseaux de la province de Rio-de-Janeiro et des environs de Monte-Vidéo; . . . par MM. Quoy et Gaimard. . . . <Féruss. Bull., 2<sup>e</sup> sect., vi, 1825, p. 93.  
Extrait des Annales des Sci. Nat., t. iv, Avril 1825, pp. 474-481, q. v.
1825. LESSON, R. P. Description de dix espèces d'oiseaux de l'Amérique méridionale . . . ; par Ch. Bonaparte. . . . <Féruss. Bull., 2<sup>e</sup> sect., vi, 1825, pp. 412, 413.  
Journ. Phila. Acad., iv, No. 12, Mai 1825, pp. 370-387, q. v.
1825. QUOY, J. R. C., and GAIMARD, J. P. Remarques sur quelques Oiseaux de la province de Rio-de-Janeiro et des environs de Montévidéo; sur leurs mœurs et leur distribution géographique. <Ann. des Sci. Nat., iv, 1825, pp. 474-481.
1825. SPIX, J. B. V., and MARTIUS, C. F. P. Musical Thrush [?] of Brazil. <Edinb. Philos. Journ., xii, 1825, pp. 186, 187.  
From 'Travels in Brazil'.
1825. SUCH, G. Descriptions of some hitherto uncharacterized Brazilian Birds. <Zool. Journ., ii, 1825, pp. 110-117, pl. 4.  
*Galbula ceycoides*, p. 112; *Gubernetes* (g. n., p. 114) *cunninghami*, p. 114, pl. 4; *Dendrocolaptes crassirostris*, *D. fortirostris*, p. 115; *Ardea fasciata*, p. 117.
- 1825-33. MAXIMILIAN, PRINZ ZU WIED-NEUWIED. Beiträge zur Naturgeschichte von Brasilien. . . . Weimar. 1825-33. 4 vols. 8vo.  
This is the date of the whole work; see vols. III, IV, cited beyond, 1830-33.
1826. GARNOT, P. Remarques sur la Zoologie des îles Malouines, faites pendant le Voyage autour du monde de la Corvette la Coquille, exécuté en 1822, 1823, 1824 et 1825. <Ann. des Sci. Nat., vii, 1826, pp. 39-59.  
*Sylvia maculoriana*, p. 44; *Certhia antarctica*, p. 45; *Charadrius pyrocephalus*, *Tringa uvillii*, p. 46; *Haematopus leucopodus*, p. 47; *Podiceps occipitalis*, p. 50; *Procellaria lessonii*, p. 54; *Anser antarcticus*, p. 58, spp. nn.—Observations sur le *Chionis*.
1826. LESS[ON, R. P.] Description de quelques oiseaux du Brésil jusqu'à présent mal caractérisés, par George Such. . . . <Féruss. Bull., 2<sup>e</sup> sect., vii, 1826, pp. 246, 247.  
Zool. Journ., ii, No. 5, 1825, pp. 110-117.
- 1826-27. SCOUER, J. Account of a Voyage to Madeira, Brazil, Juan Fernandez, and the Gallapagos Islands, performed in 1824 and 1825, with a view of examining their Natural History, &c. <Edinb. Journ. Sci., v, 1826, pp. 195-214; vi, 1827, pp. 51-73, 228-236.  
Containing cursory remarks on birds, especially *Procellariidæ*.
1827. [EDITORIAL.] [Note on Mr. W. S. MacLeay's "Remarks on the comparative anatomy of certain Birds of Cuba" (in Trans. Linn. Soc. ?).] <Philos. Mag., i, 1827, p. 65.
1827. GARNOT, P. Notice respecting the Zoology of the Falkland Islands. <Edinb. Journ. Sci., vi, 1827, pp. 321-325.  
Translated from Ann. Sc. Nat., vii, 1826, pp. 39-59. A summary of the ornithological features occupies most of the article.

1827. L[ACROTH], S. G. Remarques sur la zoologie des îles Malouines. . . . ; par M. Garnot. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., x, 1827, pp. 127-129.  
*Ann. des Sc. Nat.*, Janv. 1826, pp. 39-59.
- 1827-28. KING, P. P. Extracts from a letter addressed by Capt. Philip Parker King, R. N., F. R. S. and L. S., to N. A. Vigors, Esq., on the Animals of the Straits of Magellan. < *Zool. Journ.*, iii, 1827, pp. 422-432; iv, 1828, pp. 91-105, pl. suppl. 29.  
*I. Haliaetus erythronotus*, p. 424; *Strix rufiges*, p. 426; *S. naui*, p. 427; *Sylvia dorsalis*, p. 428; *S. obscura*, p. 429; *Picus magellanicus*, p. 430; *Mellisuga kingii* Vig., p. 432, spp. nn.—Annotations throughout by Mr. Vigors. II. *Columba meridionalis*, p. 92; *Sceloporus magellanicus*, p. 93; *Rhynchæa occidentalis*, *Rallus setosus*, p. 94; *Rallus antarcticus*, *Fulica chloropoides*, p. 95; *F. gallinuloides*, *Charadrius rubecola*, p. 96; *Anas rafflesii*, p. 97, pl. suppl. 29; *Anas specularis*, *A. specularioides*, p. 98; *A. creceoides*, p. 99; *Oidemia patachonica*, p. 100; *Podiceps leucopterus*, *Phalacrocorax niger*, p. 101; *P. atriceps*, p. 102; *P. cirriger*, *Larus haematorhynchus*, p. 103, spp. nn.
1828. ANON. Avium species novae, quas in itinere per Brasiliam annis 1817-1820 collegit et descripsit Dr. J. B. de Spix. Tabule lithographicae 118 a M. M. Schmid sculptæ. Monachii 1825. 4. maj. < *Oken's Isis*, Bd. xxi, 1828, pp. 88-92.  
*Inhaltsverzeichnis der Tafeln, Vögel*, pp. 89-92.
1828. LESSON, [R. P.] Extrait d'une lettre adressée à M. Vigors par le capitaine King, sur les productions animales du détroit de Magellan. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xv, 1828, pp. 150, 151.  
*Zool. Journ.*, No. 11, 1827, pp. 422-432, and No. 13, 1828, pp. 91-105.
1828. LESSON, [R. P.] Notes à ajouter au mémoire intitulé: Description de dix espèces d'Oiseaux américains; par Charles Bonaparte. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xiii, 1828, p. 240, 241.  
*Journ. Phila. Acad.*, v, pp. 137-140; voyez *Féruss. Bull.*, vi, 1828, pp. 412, 413.
1828. VIGORS, N. A. On some species of Birds from Cuba. < *Zool. Journ.*, iii, 1828, pp. 432-448.  
Treats of 45 spp. *Accipiter fringilloides*, p. 434; *Falco sparveriioides*, p. 436; *Pyrhula collaris*, p. 440; *Colaptes fernandinae*, p. 445; *Columba inornata*, p. 446, spp. nn.—The above is a sub-title of Art. XLVI. "Sketches in Ornithology," etc.
1829. ANON. Notices Zoologiques communiquées par le Dr. Poeppig, pendant son voyage dans le Chili. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xix, 1829, pp. 95-104.  
Extrait de *Fror. Notizen*, No. 529, juillet 1829.
1829. ANON. Abbildungen zur Naturgeschichte Brasiliens, herausgegeben von Maximilian, Prinzen von Wied. Weimar, Industrie-Comptoir. Lief. xii. 28. Fol. ill. < *Oken's Isis*, Bd. xxii, 1829, pp. 74, 75.
1829. BECKLIMICHEW, A. Notice sur deux nouvelles espèces d'oiseaux du Brésil. < *Nour. Mém. Soc. Imp. Nat. de Moscou*, i, 1829, pp. 375-390.  
Not seen; title from *Roy. Soc. Cat.*
1829. FÉRUSAC. — DE. Voyage de M. Alcide d'Orbigny dans le sud de l'Amérique méridionale. < *Féruss. Bull.*, 2<sup>e</sup> sect., xix, 1829, pp. 212-222.
1830. [FISCHER, G.] [Note sur les Oiseaux envoyés par M. Coffrane de Bahia en Amérique.] < *Bull. Soc. Imp. Nat. Moscou*, ii, 1829, p. 10.
1830. KING, P. P. Ueber die Thiere an der Magellans-Strasse. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1181-1183, 1234-1236.  
Aus dem *Zool. Jour.*, 1827, pp. 422-432, and 1828, pp. 91-105. Vergl. 1827-28, KING, P. P.
1830. KING, P. P. [Characters of New Genera and Species of Birds from the Straits of Magellan.] < *P. Z. S.*, i, 1830, pp. 14-16, 29, 30.  
*Turdus magellanicus*, *Psittacara leptorhyncha*, *Picus melanocephalus*, p. 14; *Hylaetes* (n. g.) *tarnii*, *Columba fitzroyii*, *Cygnus anatoides*, *Anser inornatus*, *Micropterus patachonicus*, *Anas chilensis*, *A. fretensis*, p. 15; *Synallaxis anthoides*, *Dendrocolaptes albigularis*, *Trochilus fernandensis*, *T. stokesii*, *Phalacrocorax imperialis*, *P. sarmentorum*, *P. erythropus*, p. 30.
1830. MACLEAY, W. S. Bemerkungen über die vergleichende Anatomie verschiedener Vögel aus Cuba, mit Rücksicht auf ihren Platz im System. < *Oken's Isis*, Bd. xxiii, 1830, pp. 895-898.  
Auszug aus den *Trans. Linn. Soc. Lond.*, xvi, p. 149, tb. 1-15, (?)

- 1833-? D'ORBIGNY, A. Extrait de deux Lettres à M. de Férussac, de Buenos-Ayres le 30 Oct. 1828 et de Rio Negro le 18 Févr. 1829, sur l'Histoire Naturelle de ces Contrées. < *Féruss. Bull.*, xix, p. 212.  
Not seen: title from Ag. & Strickl. *Bibl.*
1830. SUCH, G. Einige unbestimmte brasilische Vögel. < *Oken's Isis*, Bd. xxiii, 1830, pp. 843, 844.  
Auszug aus dem *Zool. Jour.*, ii, 1825, pp. 110-117, q. v.
1830. VIGORS, N. A. Ueber einige Vögel aus Cuba. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1165-1168.  
*Zool. Journal*, No. xi, p. 432.
- 1830-33. MAXIMILIAN, PRINZ ZU WIED. Beiträge | zur | Naturgeschichte | von | Brasilien, | von | Maximilian, Prinzen zu Wied. | — | III. [IV.] Band. | Erste [Zweite] Abtheilung. [. . .] | — | Weimar, | [. . .] 1830 [-1833]. 8vo. Vol. III, Erste Abth., 1830, 2 p. ll., pp. 1-636; Zweite Abth., 1831, pp. xii, 637-1278 + 1 l., mit einer Tafel (figg. 1-7). Vol. IV, Erste Abth., 1832, 2 p. ll., pp. 1-442; Zweite Abth., 1833, pp. viii, 443-946, mit 2 Tafeln (figg. 1-10, 1-5).  
The secondary title of this work is:—Verzeichniss | der | Amphibien, Säugethiere und Vögel, | welche | auf einer Reise zwischen dem 13ten und dem 23ten | Grade südlicher Breite | im östlichen Brasilien | beobachtet wurden.—As above indicated. Birds occupy the 3d and the 4th Band, each of 2 Abtheilungen; in all, 4 vols., the pagination of the two portions of each Band being continuous. Some 450 spp. or more are systematically treated, the text being chiefly descriptive, but also including general matter, and some little criticism and synonymy. The author's new species appear to have been already described in his 'Reise', or elsewhere, and many of them were figured by Temminck in the Planches Coloriées. The three copper-plates represent some anatomical subjects, bills, and feet.—Whole work, 1825-33.
1831. KING, P. P. [On the distinctive characters of several species of Birds from the Straits of Magellan.] < *Philos. Mag.*, ix, 1831, pp. 226, 227.  
*Synallaxis anthoides*, *Dendrocolaptes albo-gularis*, p. 226; *Trochilus fernandensis*, *T. stokesii*, *Phalacrocorax imperialis*, *P. sarmientonus*, *P. erythrops*, p. 227. From *P. Z. S.*, Jan. 25, 1831.
1831. VIGORS, N. A. [Remarks on the exhibition of several new species of birds from the Straits of Magellan.] < *Philos. Mag.*, ix, 1831, pp. 64-65.  
From *P. Z. S.*, Dec. 14, 1830. Being those collected by P. P. King, and described from his MSS.
1832. GARNOT, [P.] Ueber die Zoologie der Malwinen zwischen 52 und 53° S. B. und 56—60° W. L., östlich von Patagonien. < *Oken's Isis*, Bd. xxv, 1832, pp. 180-184.  
Auszug aus *Annales des Sciences*, t. vii, 1826, p. 39. (Lesson und D'Urville, *Voy. Coquille*.)
1832. MAXIMILIAN, PRINZ ZU WIED. Beiträge zur Naturgeschichte von Brasilien von Maximilian, Prinzen zu Wied. Weimar, Ind. Compt. Bd. 3. Abth. 1. 30. 8. 636; Abth. 2. 31. 637—1278. < *Oken's Isis*, Bd. xxv, 1832, pp. 56-60.  
Auszug, SS. 55 u. folg. Vögel, pp. 57-60.
1832. VIGORS, N. A. [Characters of New Species of Birds collected by Mr. Cumming in Chili and Mexico.] < *P. Z. S.*, ii, 1832, pp. 3, 4.  
*Capito aurifrons*, *Xanthornus chrysocarpus*, *Aglaiä chilensis*, p. 3; *Picus aurocapillus*, *Coccothrauste chrysopleus*, *Ortyx spilogaster*, p. 4.
1834. GEOFFROY ST. HILAIRE, ISID., and DE BLAINVILLE, H. M. D. Rapport sur les résultats scientifiques du voyage de M. Alcide D'Orbigny dans l'Amérique du sud, pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833. < *Nouv. Ann. du Mus.*, iii, 1834, pp. 84-115.  
Quant aux oiseaux . . . etc., pp. 92 et seq.
1834. GOULD, J. Sur des Oiseaux de l'Amérique Méridionale. < *L'Institut*, ii, 1834, No. 64, p. 252.  
Not seen: title from Carus and Engelmann, *Bibl.*
1834. HEARNE, J. [Note on Birds of Hayti.] < *P. Z. S.*, ii, 1834, p. 25.
1834. HEARNE, J. [Letter accompanying a Present of several Living Animals from the Island of Hayti.] < *P. Z. S.*, ii, 1834, p. 110.

1834. KING, P. P. Vögel von Magellanstrasse. <Oken's Isis, Bd. xxvii, 1834, pp. 818, 819.

Auszug aus *Philos. Mag.*, ix, 1831, pp. 226, 227.

1834. VIGORS, N. A. Ueber Kings Vögel von der Magellanstrasse. <Oken's Isis, Bd. xxvii, 1834, pp. 815, 816.

Aus *Philos. Mag.*, ix, 1831, pp. 64-66.

- 1834-41. SWAINSON, W. Ornithological Drawings: a Selection of Birds of Brazil and Mexico. London. Pub. in seven parts, 1834-41. 8vo. 78 pll.

Not seen: others quote a literally very different title. [See beyond, ADDENDA.]

1835. HEARNE, J. [Notice of a Collection of Bird-skins, 16 spp., formed by him in Hayti.] <P. Z. S., iii, 1835, p. 105.

1835. VIGORS, N. A. [Thiere von Cuming von Vigors bestimmt.] <Oken's Isis, Bd. xxviii, 1835, pp. 365, 366.

Aus Chili und Mexico. Auszug aus *P. Z. S.*, 1832, pp. 3, 4, q. v.

- 1835-44-47. D'ORBIGNY, A. Voyage | dans | L'Amérique Méridionale | (le Brésil, la République Orientale de l'Uruguay, la République | Argentine, la Patagonie, la République du Chili, la République de Bolivia, | la République du Pérou), | exécuté pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833, | par | Alcide d'Orbigny. | Chevalier de l'Ordre royale de la Légion d'Honneur, Officier de la Légion d'Honneur de la République | Bolivienne, Président de la Société Géologique de France et Membre de plusieurs Académies | et Sociétés savantes nationales et étrangères. | Ouvrage dédié au Roi, | et publié sous les auspices de M. le Ministre de l'Instruction publique | (commencé sous le ministère de M. Guizot). | — | Tome Quatrième. | 3.<sup>e</sup> Partie: Oiseaux. | — | Paris. | chez P. Bertrand, éditeur, | Libraire de la Société géologique de France, | rue Saint-André-des-Arts, 78. | Strasbourg. | chez V.<sup>e</sup> Levraut, rue de Juifs, 33. | — | 1835-1844. Very large 4to. 3 p. ll. (titles, each backed blank), pp. i-iiij (advts.), pp. 1-395, with col'd folded map.—Also, Atlas Zoologique, being Vol. IX of the series, Oiseaux, 4to, pll. 1-6, 6 bis, 7-66 (= 67), 1847.

The above title is that of Part 3 of Vol. IV, being the Birds, separately paged from the rest of the volume, and furnished with 3 title-pages. The composition of the whole work is: Tomes I, II, and III, Partie 1, Partie Historique. Tome III, Partie 2, Géographie; Partie 3, Géologie. Tome IV, Partie 1, Homme Américain; Partie 2, Mammifères; Partie 3, OISEAUX; Tome V, Partie 1, Reptiles; Partie 2, Poissons; Partie 3, Mollusques; Partie 4, Polypiers; Partie 5, Foraminifères. Tome VI, Partie 1, Crustacés; Partie 2, Insectes. Tome VII, Parties 1 et 2, Cryptogames; Partie 3, Palmiers. Tome VIII, ATLAS Historique, Géographique, Géologique, Paléontologique et Botanique. Tome IX, ATLAS Zoologique, comprenant les Mammifères, les OISEAUX, etc.

The date of the ornithological text is 1833-44, as per title-page; that of the ornithological atlas is ostensibly 1847, but the plates are cited in the text. The Atlas Zoologique forms the IX. and last vol. of the series. It has no text except the title-page, which corresponds closely, but is not identical with that of the text above cited, the author having added more titles after his name, and another change being of course to | — | Tome Neuvième. | Atlas | Zoologique | (Mammifères, Oiseaux, Reptiles, Poissons, Mollusques, Polypiers, Foraminifères, Crustacés et Insectes.) |

The sixty-seven plates of birds of the atlas are as follows:—Pl. 1, f. 1, 2, *Carthartes urubu*, tête et œuf; f. 3, 4, *C. aura*, tête et œuf; f. 5, *Polyborus vulgaris*, œuf. Pl. 2, f. 1, 2, *Phalacrocorax montanus*, ad. et jun.; f. 3, 4, œufs de *Polyborus chinanago*. Pl. 3, f. 1, 2, 2 ♀, *Buteo tricolor*. Pl. 4, f. 1, *Tamnophilus* [sic] *asperiventer*; f. 2, *T. schistaceus*. Pl. 5, f. 1, 1, *T. fuliginosus* [by error for *schistaceus*]; f. 2, *T. aterrimus*. Pl. 6, f. 1, *T. fresnapuanus*; f. 2, *Conopophaga nigro-cincta*. Pl. 6 bis, f. 1, 2, *Myiothera* [sic] *analis*; f. 2, *M. nigro-maculatus*. Pl. 7, f. 1-2, *Rhinomyza lanceolata*; f. 3, 4, *Megalonix* [sic] *rufogularis*. Pl. 8, f. 1, *M. ruficeps*; f. 2, *M. albicollis*. Pl. 9, f. 1, *Turdus fuscator*; f. 2, *T. chiguanaco*. Pl. 10, f. 1, œuf de *T. ruficentris*; f. 2, 2 a, *Orpheus calandria*; f. 3, *O. theuca*. Pl. 11, f. 1, *O. dorsalis*; f. 2, *O. patagonicus*. Pl. 12, f. 1, *Donacobius albolineatus*; f. 2, *Sylvia leucoblephora*. Pl. 13, f. 1, *Hylophilus ruficeps*; f. 2, *Dacnis flaviventer* [sic]. Pl. 14, f. 1, 2, *Synalaxis dorso-maculata*; f. 3, 4, *S. malacoides*. Pl. 15, f. 1, *S. torquata*; f. 2, *S. bitorquata*. Pl. 16, f. 1, *S. striaticeps*; f. 2, *S. albiceps*. Pl. 17, f. 1, *S. fuliginiceps*; f. 2, *S. humicola*. Pl. 18, f. 1, *Sylvia cancolor*; f. 2, *Nemosia sordida*. Pl. 19, f. 1, *Tachyphonus versicolor*; f. 2, *T. capitatus*. Pl. 20, f. 1, ♂, 2 ♀, *T. luctuosus*. Pl. 21, f. 1, *T. flarinucha*; f. 2, 3, *Euphonia serrirostris*. Pl. 22, f. 1, *E. lunirostris*; f. 2, *E.*

1835-44-47. D'ORBIGNY, A.—Continued.

*ruficeps*; f. 3. œuf de *Embernagra platensis*; f. 4. œuf de *Aglaya* [sic] *episcopus*. Pl. 23, f. 1. *Tanagra montana*; f. 2. *T. cyanoccephala*. Pl. 24, f. 1. *T. scrankii* [sic]; f. 2. *T. yeni*. Pl. 25, f. 1. *T. cyanicollis* [sic]; f. 2. *T. igniventris*. Pl. 26, f. 1. *Ramphocelus atro-sericeus*; f. 2. *Pyrauga albicollis*. Pl. 27, f. 1. *Embernagra torquata*; f. 2. *E. rufinucha*. Pl. 28, f. 1. *Saltator rufiventris*; f. 2. *S. similis*; f. 3. œuf de *S. aurantiostris*; f. 4. œuf de *S. coerulescens*. Pl. 29, f. 1. *Phylotoma rutile*; f. 2. *P. angustirostris*. Pl. 30, f. 1. *Pipra fasciata*; f. 2. *Ampelis viridis*. Pl. 31, f. 1. *A. rubro-cristata*; f. 2. 3, 4. *Pachyrhynchus marginatus*. Pl. 32, f. 1, 2. *Tyrannus tuberculifer*; f. 2. 4. *T. rufiventris*. Pl. 33, f. 1, 2. *Todirostrum caudatum*; f. 3. 4. *T. margaritaceiventris* [sic]. Pl. 34, f. 1, 2. *Muscipeta cinnamomea* [= *vieillotii* of the text, p. 321]; f. 3. 4. *Setophaga brunneiceps*. Pl. 35, f. 1. *S. verticalis*; f. 2. *Muscipeta striaticollis*. Pl. 36, f. 1. *Alceturus* [= *Arundinicola* of text, p. 335] *flaviventris*; f. 2. *Culicivora* [= *Setophaga* of the text, p. 330] *budytoides*. Pl. 37, f. 1. *C. reguroides*; f. 2. *Fluvicola rupestralis*. Pl. 38, f. 1. *F. leucophrys*; f. 2. *F. cœnanthoides*. Pl. 39, f. 1. *Muscigralla brevicauda* [sic]; f. 2. *Pepoaza variegata*; f. 3. œuf de *Tyrannus sulphuratus*; f. 4. œuf de *Pepoaza polyglotta*. Pl. 40, f. 1. *Muscisaxicola mentalis*; f. 2. *M. ruficervix*. Pl. 41, f. 1. *M. striaticeps*; f. 2. *M. maculirostris*. Pl. 42, f. 1. *Cypselus montiragus*; f. 2. *C. andecolus*; f. 3. œuf de *Caprimulgus nacunda*. Pl. 43, f. 1. *Certhilauda cuculicaria*; f. 2. *C. leucirostris*; f. 3. œuf de *Passerina flava*; f. 4. œuf de *P. nigriceps*. Pl. 44, f. 1. *Certhilauda maritima*; f. 2. *Emberiza luteocephala*; f. 3. œuf de *Tyrannus saranha* [sic]; f. 4. œuf de *Fluvicola ieterophrys*. Pl. 45, f. 1. *Emberizahypochondria*; f. 2. *E. carbonaria*; f. 3. œuf de *Muscipeta ieterophrys*; f. 4. œuf de *Loxia cucullata* [sic]. Pl. 46, f. 1. *Emberiza speculifera*; f. 2. *E. fulriceps*. Pl. 47, f. 1. *Emberiza griseocristata*; f. 2. *E. atriceps*; f. 3. œuf de l'*E. matulina*; f. 4. œuf de l'*E. gubernatrix*. Pl. 48, f. 1. *Linaria analis*; f. 2. *Carduelis atratus*; f. 3. œuf de *C. tristis*; f. 4. œuf de *Icterus virens*. Pl. 49, f. 1 ♂ 2 ♀. *Pitiglus aureoventris*; f. 3. œuf de *Tyrannus sulphuratus*; f. 4. œuf de *Cassicus solitarius*. Pl. 50, f. 1. *Pyrrhula bicolor*; f. 2. *P. glauco-cerulea*; f. 3. œuf de *Icterus pyrrhopterus*; f. 4. œuf de *Fringilla cucullata*. Pl. 51, f. 1. *Cassicus yucatares*; f. 2. *C. atrorivens*; f. 3. œuf de *Tyrannus melancholicus*; f. 4. œuf de *Pepoaza rixosa*. Pl. 52, f. 1. *Cassicus chrysanotus*; f. 2. 3. *Icterus maculicris*; f. 4. œuf de *I. brevicristatus*; f. 5. œuf de *I. flava*. Pl. 53, f. 1. *Garrulus viridiegans* [sic]; f. 2. *Dendrocolaptes procervix* [= *D. lafresnayensis* in text]; f. 3. œuf de *Garrulus striaticeps*; f. 4. œuf de *G. cyanus*. Pl. 54, f. 1. *Dendrocolaptes atrirostris*; f. 2. *Anabates squamiger*; f. 3. œuf de *Tyrannus melancholicus*; f. 4. œuf de *Saltator coerulescens*. Pl. 55, f. 1. *Anumbius univiridis*; f. 2. nid de *Furnarius rufus*; f. 3. *Anabates gutturalis*. Pl. 56, f. 1. *Uppveerthia montana*; f. 2. *U. andecola*; f. 3. œuf de *Furnarius rufus*; f. 4. œuf de *Anumbius striaticeps*. Pl. 57, f. 1. *Uppveerthia vulgaris*; f. 2. *U. nigro-fumosa*; f. 3. œuf de *Fluvicola bicolor*; f. 4. œuf de *Pepoaza polyglotta*. Pl. 58, f. 1, 2. *Serrirostrum carbonarium*; f. 3. *S. sittoides*. Pl. 59, f. 1. *Conirostrum cinereum*; f. 2. *Orthorhynchus smaragdineicollis*. Pl. 60, f. 1. *O. panola*; f. 2. *O. amethysticollis*. Pl. 61, f. 1. *O. estella*; f. 2. *O. adela*. Pl. 62. *Colaptes rupicola*; f. 2. *Picus eactorum*. Pl. 63, f. 1. *P. atriventris*; f. 2. *P. canicapillus*. Pl. 64, f. 1. *P. puncticeps*; f. 2. *Picumnus albosquamatus*. Pl. 65, f. 1. *P. fumigatus*; f. 2. *P. nigriceps*. Pl. 66, f. 1. *Trogon antisianus*; f. 2. *Aulacorhynchus coeruleicinctus*.

This treatise with its many beautiful plates takes a conspicuous place among the few great works on South American ornithology, and d'Orbigny is to be named with such leaders as Azara and Molina of earlier times, Lafresnaye, Hartlaub, Tschudi, and the Prinz von Wied of his own period, and Bonmeister, Pelzel, Cabanis, Schaler, Salvin, Lawrence, and others, who have subsequently made the history of South American ornithology what it is. It is a comprehensive systematic treatise on some three or four hundred species, introduced and interspersed with general considerations of the avifauna of South America and the classification and geographical distribution of the birds, treating the families, genera, and species in detail—the latter with synonymy, description, and critical and field-notes. A colored map of the comparative zones of latitude and altitude illustrates the geographical distribution of the avifauna. It is an expensive work, not generally accessible in its entirety; but the ornithological portion is found separate, with or without the atlas.

The new species discovered on this Expedition appear to have been earlier described by the author and the Baron de Lafresnaye, in Guérin-Ménéville's *Magasin de Zoologie*, or elsewhere. The following may be here new, being those for which no earlier reference is given:—*Thamnophtus schistaceus*, p. 170; *Myrmotherus metacristii*, p. 184; *Thryothorus modulator*, p. 230; *Synallaxis naturoides*, *S. troglodytoides*, p. 238; *S. maxilliani*, p. 247; *S. patagonica*, p. 249; genus *Anumbius*, p. 251; *Embernagra olivaceus*, p. 285; *Saltator azarae*, p. 287; *Tyrannus rufescens*, p. 308; *Todirostrum caudatum*, p. 316; *Muscipeta guilemini*, p. 319; *U. vieillotii*, p. 321; *M. ralloides*, p. 322; genus *Muscicapara*, p. 325; *M. gainardi*, p. 326; *M. boliviana*, p. 328; genus *Arundinicola*, p. 335; genus *Sviriri* [! !], p. 337; genus *Pepoaza*, p. 346; *P. andecola*, p. 351; *Dendrocolaptes lafresnayensis*, p. 368; *Colaptes rupicola*, p. 377; *Picus eactorum*, *P. atriventris*, p. 378; *P. canicapillus*, p. 379; *P. puncticeps*, p. 379; *P. fumigatus*, *P. nigriceps*, *Picumnus albosquamatus*, p. 380; *Aulacorhynchus coeruleocinctus*, p. 382.

1836. KITTLITZ, [F. H. V.] Ueber einige Vögel von Chili, [u. s. w.] <Oken's Isis, Bd. xxix, 1836, pp. 347-351.

Auszüge aus *M. m. Acad. Imp. des Sciences de Pétersbourg*, tome i. 1831, p. 174.

1836. MARTIN, R. M. History of the West Indies: comprising . . . [the rest of the title differs in the two vols.] By R. Montgomery Martin, F. S. S. [Seal.] Vol. I. [II.] — London: Whittaker & Co. Ave Maria Lane. — MDCCCXXXVI. 2 vols. 16mo? [half-sheets—8 ll. to a sig.]. Vol. I, pp. xxxvi, 308; Vol. II, pp. viii, 350.  
Slightly ornithological in some places—as at I, pp. 83, 84; II, pp. 83-94.
1836. MORITZ, C. Notizen zur Fauna der Insel Puertorico. <Arch. f. Naturg., ii, (1), 1836, pp. 373-392.  
Ornithologisch *passim*.
1836. TAYLOR, R. C. Notes on Natural Objects observed while staying in Cuba. <London's Mag. Nat. Hist., ix, 1836, pp. 449-457.  
Narrative, partly ornithological.
1837. BONAPARTE, C. L. [Notices and Descriptions of new or interesting Birds from Mexico and South America.] <P. Z. S., v, 1837, pp. 108-122.  
I, on birds from Mexico, 35 spp.; II, from Guatemala, 39 spp.; III, from Brazil near Peru, 20 spp.—*Centurus subelegans*, p. 109; *Icterus parisorum*, p. 110; *Cardinalis sinuatus*, p. 111; *Tyrannus divaricata*, *Pipra elegantissima*, p. 112; *P. linearis*, p. 113; *Centurus Santa Cruzei*, p. 116; *Euphonia hirundinacea*, *Arremon giganteus*, *Icteria velasquezii*, p. 117; *Sylvicola decurtata*, *Turdus grayi*, p. 118; *Scelopacimus* (g. n.) *rufiventris*, p. 119; *Micropogon flavicollis*, *Aethonurus rufiventris*, *Guiraca magnirostris*, *Spiza versicolor*, p. 120; *Tanagra darwini*, *Agelaius nigrocincta*, *Rhamphocelus icteronotus*, p. 121; *Agelaius schrankii*, *Pipra scrutata*, p. 122, spp. nn.
1837. BREDOW, — v. Auszüge aus den Schreiben des reisenden Naturforschers C. Moritz in Süd-Amerika. <Arch. f. Naturg., 1837, (1), pp. 408-414.  
Ornithologisch *passim*.
1837. GOULD, J. [Characters of three New Neotropical Birds.] <P. Z. S., v, 1837, pp. 79, 80.  
*Corvus nobilis*, *Ortyx guttata*, p. 79; *Thamnophilus fuliginosus*, p. 80.
1837. L'HERMINIER, DR. — Anatomie verschiedener Vögel aus Südamerika. <Oken's Isis, Bd. xxx, 1837, pp. 847, 848.  
Auszüge aus der Zeitschrift: *L'Institut*, 1837, Nr. 220.
1837. LESSON, R. P. Neue Vögel. <Oken's Isis, Bd. xxx, 1837, pp. 714, 715.  
Auszüge aus der Zeitschrift: *L'Institut*, ii, 1834, 316. 10 Arten: *Megalonyx medius*, *Phytotoma molinae*, *Pyrgitta peruviana*, p. 714; *Pithylus* [sic] *olivaceus*, *P. luteus*, *Dolichonyx griseus*, *Fringilla erythrorhynchos*, *Ada comersonii*, *Vermivora elvans*, *Troglodytes hornensis*, p. 715.
1837. D'ORBIGNY, A. Mémoire sur la distribution géographique des Oiseaux Passereaux, dans l'Amérique méridionale. <Compt. Rend. de l'Acad. Sci., v, 1837, pp. 496-498.  
Division des régions de l'Amérique méridionale en trois zones suivant leur distance à l'équateur.—Considération des espèces sous le rapport de la température des lieux qu'elles habitent.
1837. D'ORBIGNY, A. Observations on the Raptores of South America. <Mag. of Zool. and Bot., i, 1837, pp. 347-359.  
Trans. from *Voy. Amér. M. rid.* Of very general character, but with special reference to their distribution in zones of latitude and to their habits.
1837. ——— Beyträge zur Naturgeschichte von Brasilien von Maximilian, Prinzen zu Wied. Weimar, Indust. Compt. iv. 1. 32. 8. 442. <Oken's Isis, Bd. xxx, 1837, pp. 97, 98.
1837. ——— Beyträge zur Naturgeschichte von Brasilien von Max. Prinzen zu Wied. Weimar, Industrie Comptoir. vi. 2. 1833. 8. 443-946. 2 Tafeln. <Oken's Isis, Bd. xxx, 1837, pp. 177-179.
- 1837-38. D'ORBIGNY, A., and LAFRESNAYE, F. DE. Synopsis Avium in itinere per Americam meridionalem collectarum. <Magas. de Zool., vii, 1837, pp. — — — ; viii, 1838, pp. — — —. [88+34 pp., with pll.]  
Not seen: defective title from Giebel.
1838. BONAPARTE, C. L. Catalogo di Uccelli Messicani e Peruviani. <Nuovi Ann. Sci. Nat. Bologna, ii, 1838, pp. 340-348, 401-416.  
This paper appears to be very similar to, if not a mere version of, that in *P. Z. S.*, 1837, *q. v.*



1333. LAFRESNAYE, [F.] DE, and D'ORBIGNY, [A.] Notice sur quelques oiseaux de Carthagène et de la partie du Mexique la plus voisine, rapportés par M. Ferdinand de Candé, officier de la Marine royale. < *Rev. Zool.*, i, 1838, pp. 164-166. 17 espèces.—*Embernagra albinucha*, *Pipra paretulides*, *Synnalaxis* [sic] *candei*, p. 165; *Tanagra gularis*, p. 166, spp. nn.
1333. D'ORBIGNY, A. Rapport sur un Mémoire de M. Alcide D'Orbigny, intitulé: Sur la distribution géographique des oiseaux passereaux dans l'Amérique méridionale. < *Compt. Rend. de l'Acad. Sci.*, vi, 1838, pp. 190-194.
1333. GOULD, J. [*Polyborus gallapagoensis* von Darwin, n. s. w.] < *Oken's Isis*, Bd. xxxii, 1839, pp. 139, 140. *P. Z. S. London*, 1837.
1333. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux de la collection de M. Charles Brelay, à Bordeaux. < *Rev. Zool.*, ii, 1839, pp. 97-100. *Pyrrhula sanguinolenta*, *Embernagra brunnei-nucha*, *E. pyrrhuloides*, p. 97; *Pachyrhynchus aglaia*, *Myadestes* [sic] *obscurus*, p. 98; *Thriothorus guttulatus*, *Pyrrhula cinnamomea*, p. 99; *Dendrocolaptes affinis*, *Uncirostrum brelayi*, p. 100. Toutes les espèces sont du Mexique.
1333. D'ORBIGNY, A. Histoire | Physique, Politique et Naturelle | de | L'Ile De Cuba | par M. Ramon de la Sagra, Directeur du Jardin Botanique de la Havane, | Correspondant de l'Institut Royal de France, etc. | — | > Ornithologie, | par Alcide D'Orbigny. | [Dessin.] | Paris, | Arthur Bertrand, éditeur, | Libraire de la Société de Géographie | et de la Société Royale des Antiquaires du Nord, | Rue Hautfeuille, 23. | — | 1839. 8vo, paper, forming part (with the mammals) of one vol. of the series, separately paged, pp. xxxi, 336. Folio atlas of pll. i-xix, xix bis, xx-xxi.
- A standard work, to be used in connection with Vigor's earlier and Gundlach's and others' later treatises on the same subject. The Introduction, pp. vii-xxxi, is a résumé, from which it appears there were known 129 Cuban spp., of 33 families—14 South American, 49 North American, 26 American, 8 Arctic, 5 Neotropical-Arctic, and 27 Cuban and Antillian. The main text treats of those species seriatim, systematically, and is synonymic, descriptive, and general. French, Latin, and Spanish indexes follow. The plates are published separately; they are as follows:—Pl. 1, *Falco sparverii* D'Orb. 2, *Otus signatus* D'Orb. 3, *Noctua siju* O'Orb. 4, *Turdus rubripes*. 5, *Turdus minor*. 6, *Sciurus* [sic] *sulfurascens*. 7, *Turdus carolinensis*. 8, *Sylvia palmarum*. 9, *Sylvia caerulea*. 10, *Sylvia maritima*. 11, *Tanagra zena*. 12, *Tyrannus caudifasciatus* D'Orb. 13, *Tyrannus magister* D'Orb. 14, *Tyrannus matutinus*. 15, *Passerina olivacea*. 16, *Linaria caniceps* D'Orb. 17, *Pyrrhula nigra*. 18, *Quiscalus barytus*. 19, *Q. atrovirens* D'Orb. 19 bis, *Xanthocephalus dominicensis*. 20, *Icterus humeralis*. 21, f. 1, *Orthorhynchus colubris*; f. 2, *O. ricordi*. 22, *Todus multicolor*. 23, *Colaptes auratus*. 24, *Colaptes auratus*. 25, f. 1, *Saurothera merulina* D'Orb.; f. 2, 3, *Crotophaga ani*. 26, *Trogon temminckii*. 27, *Columba portoricensis*. 28, *C. inornata*. 29, *Phænicopterus americanus*. 30, *Aix sponsa*. 31, f. 1, *Totanus flavipes*, egg; f. 2, *Parra jacana*, egg; f. 3, *Aramus guarauna*; f. 5, *Rallus longirostris* (head).
1339. D'ORBIGNY, A. Naturhistorische Schilderung des nördlichen Patagonien. < *Arch. f. Naturg.*, 1839, (1), pp. 47-61. Aus dessen *Voy. dans l'Amér. Mérid.* Grössten Theils ornithologischen Inhalts.
1339. D'ORBIGNY, A. Ueber die geographische Verbreitung und die Lebensweise der südamerikanischen Singvögel. < *Arch. f. Naturg.*, 1839, (1) pp. 235-251. Mitgetheilt aus dessen *Reise*, SS. 141-158.
1339. D'ORBIGNY, A. Voyage dans l'Amérique méridionale, par A. D'Orbigny. Paris, Levrault, I. 1834. 672. II. 1836. 4. < *Oken's Isis*, Bd. xxxii, 1839, pp. 406-435. Verzeichniss der Vögel, pp. 408, 410, 411. Auszüge, pp. 414-435.
1339. VIGORS, N. A. [Observations upon a Collection of Birds from the West Coast of South America.] < *P. Z. S.*, vii, 1839, p. 115.
1340. BOISSONNEAU, [A.] Oiseaux nouveaux ou peu connus de Santa-Fé de Bogota. < *Rev. Zool.*, iii, 1840, pp. 2-8. *Ampelis nattererii*, p. 2; *A. rufocristata*, *A. riefferii*, *Tanagra constantii*, p. 3; *T. vassorii*, *T. riefferii*, *Uncirostrum La Fresnayi*, p. 4; *U. d'Orbignyi*, p. 5; *Ornismia* [sic] *bonapartei* [sic], *O. torquata*, *O. paradisæa*, p. 6; *O. guerini*, p. 7; *Trochilus La Fresnayi*, p. 8.

1840. BOISSONNEAU, [A.] Oiseaux nouveaux de Santa-Fé de Bogota. < *Rev. Zool.*, iii, 1840, pp. 66-71.

*Tanager eximia*, p. 66; *T. teniata*, *T. labradorides*, *T. assimilis*, p. 67; *T. albefrenatus*, *T. pallidivirens*, p. 68; *T. schistaceus*, *T. semirufus*, p. 69; *Pteroglossus aëbivitta*, *Quiscalus subalaris*, *Scotophaga ornata*, p. 70; *Tyrannula fumigata*, p. 71.

1840. BONAPARTE, C. L. Catalogue d'Oiseaux du Mexique et du Péron. < *Rev. Zool.*, iii, 1840, pp. 19, 20.

This is not the article itself, but merely an editorial notice of Bp.'s new genus *Scelopacianus*. See *P. Z. S.* 1837.

1840. FRASER, L. [On some New Species of Birds from Bogota in the Collection of the Earl of Derby.] < *P. Z. S.*, viii, 1840, pp. 59, 60.

*Turdus gigas*, *Psittacus chalcopterus*, p. 59; *Picus elegans*, p. 60.

1840. LAFRESNAYE, [F.] DE. Oiseaux nouveaux de Santa-Fé de Bogota. < *Rec. Zool.*, iii, 1840, pp. 101-106.

*Uncistrostrum cyanæna*, *Contirostrum sitticolor*, p. 102; *Merulaxis senilis*, *M. griseicollis*, *M. squamiger*, p. 103; *M. analis*, *Anabates Boissonneautii*, p. 104; *Limnornis unicolor*, *L. canifrons*, p. 105.

1840. LAFRESNAYE, F. DE. Nouvelles espèces d'oiseaux tuées et rapportées par M. Lélancher, chirurgien de la marine, embarqué sur la Vénus, dans son dernier voyage de circumnavigation. < *Rev. Zool.*, iii, 1840, pp. 259-261.

*Turdus rufopalliat*, p. 259; *Passerina leclancheri*, p. 260, spp. un.

1840. LESSON, R. P. Oiseaux nouveaux. < *Rev. Zool.*, iii, 1840, p. 1.

*Melias corallirhynchus*, *Ramphocelus affinis*.

1840. SCHOMBURGK, R. H. A Description [of] British Guiana, [Geographical and Statistical: [exhibiting [its resources and capabilities, [together with [the present and future condition and prospects [of the colony. [By [Robert H. Schomburgk, Esq. [London: [Simpkin, Marshall, and Co., [Stationers' Hall Court. [1840. 1 vol. 8vo. 2 p. ll., map, pp. 155.

In this little tract (by no means to be taken for Schomburgk's great work on Guiana) there occurs, under head of "Animal Kingdom", some remarks on birds, pp. 37, 38.

1841. BRIDGES, T. [Notes on various Birds (19 spp.) and Mammals from Chile.] < *P. Z. S.*, ix, 1841, pp. 93-95.

1841. GOULD, J. The [Zoology] of [the Voyage of H. M. S. Beagle, [under the command of Captain Fitzroy, R. N., [during the years [1832 to 1836. [Published with the approval of [the Lords Commissioners of her Majesty's Treasury. [Edited and Superintended by [Charles Darwin, Esq., M. A. F. R. S. Sec. G. S. [Naturalist to the Expedition. [— [Part III. [Birds. [by [John Gould, Esq., F. L. S. [— [London: [Published by Smith, Elder and Co. 65, Cornhill. [MDCCCXLI. 4to. 4 p. ll., pp. ii, 156, 4 ll., pll. col'd 50.

The technical matter of the work was prepared by Gould, with assistance from G. R. Gray; but the general text is Darwin's. Most of the new species collected on the voyage appear to have been before described. The following names occur without citation of previous authority, most of which, doubtless, if not all, are new:—*Crazirex*, p. 22; *Striz punctatissima* (Gray), p. 34; *Fregue modesta*, p. 39; *Hirundo frontalis*, p. 40; *Pyrocephalus*, p. 44; *P. parvirostris*, p. 44; *P. obscurus*, *P. nanus*, p. 45; *P. dubius*, p. 46; *Myiobius* (Gray), p. 46; *M. auriceps*, p. 47; *M. magnirostris*, *M. parvirostris*, p. 48; *Serpophaga*, *S. albocoronata*, p. 49; *Pachyrhampus* (Gray), *P. albesens*, p. 50; *P. minimus*, p. 51; *Lichenops erythropterus*, p. 52; *Fluricola azare*, p. 53; *Agrionis*, *A. striatus*, p. 56; *A. micropterus*, p. 57; *Opetiorhynchus lunceolatus*, p. 68; *Eremobius*, *E. pharicurus*, p. 69; *Synallaxis major*, p. 76; *S. rufogularis*, p. 77; *S. flavigularis*, *S. brunnea*, p. 78; *Limnornis*, *L. rectirostris*, p. 80; *L. curvirostris*, p. 81; *Dendrodrampus*, *D. leucosternus*, p. 82; *Muscisaxicola brunnea*, p. 84; *Sylvicola aureola*, p. 86; *Pyrrhuloxia nigriceps*, p. 87; *Spermophila nigrigularis*, *Crithagra? brevirostris*, p. 88; *Ammodramus longicaudatus*, p. 90; *A. xanthopus*, p. 90; *Zonotrichia caucapilla*, p. 91; *Z. strigiceps*, p. 92; *Fringilla formosa*, p. 93; *Chlorospiza? xanthogramma* (Gray), p. 96; *Embercozoides poliocephala* (Gray), p. 98; *Geospiza magnirostris*, *G. striata*, p. 100; *G. fortis*, *G. nebulosa*, *G. fuliginosa*, p. 101; *G. denirostris*, *G. parvula*, p. 102; *G. dubia*, *Camarhynchus psittaculus*, *C. crassirostris*, p. 103; *Cactornis acedens*, p. 104; *C. assimilis*, p. 105; *Certhidea olivacea*, p. 106; *Zenaidura macroura*, p. 115; *Squatula fuscus*, p. 126; *Totanus fuliginosus*, p. 130; *Porphyrio simplex*, p. 133; *Larus fuliginosus*, p. 141. (*Cinclus* and *Rhinocrypta* are proposed, apparently newly, by Gray, on one of the unpaired leaves.) Most of the birds of the volume are South American. An appendix, by T. C. Eyton, gives some anatomical details respecting 12 spp. The plates are as follows:—

## 1841. GOULD, J.—Continued.

Pl. 1, *Mitraga albigularis*; 2, *Crazirex galapagoensis*; 3, *Otus galapagoensis*; 4, *Strix punctatissima*; 5, *Progne modesta*; 6, *Pyrrocephalus parvirostris*; 7, *P. nanus*; 8, *Tyrannula magnirostris*; 9, *Lichenops erythrophorus*; 10, *Floricola azara*; 11, *Xolmis variegata* (marked *Tachyoptera* v.); 12, *Aegialitis micropterus*; 13, *A. leucurus*; 14, *Pachyrhamphus albescens*; 15, *P. minutus*; 16, *Mimus trifasciatus*; 17, *M. notatus*; 18, *M. parvulus*; 19, *Uppucerthia dumetorum*; 20, *Opetiorhynchus nigrocapillus* (marked *O. lanceolatus*); 21, *Eremobius phoeniceus*; 22, *Ammodramus acutus* (marked *Squallaxis major*); 23, *Squallaxis rufogularis*; 24, *S. flavogularis*; 25, *Lanius excubitorides*; 26, *L. rectirostris*; 27, *Dendrocygnus leucosternus*; 28, *Sylviola arcuata*; 29, *Ammodramus longicaudatus*; 30, *A. amabilis* (marked *A. xanthornus*); 31, *Passer jamaicensis*; 32, *Chlorospiza melanodora*; 33, *C. xanthogramma*; 34, *Agelaius striata* (marked *Tanager darwini*); 35, *Pipilo personata*; 36, *Geospiza magnirostris*; 37, *G. strenua*; 38, *G. fortis*; 39, *G. parvula*; 40, *Camarhynchus psittacus*; 41, *C. crassirostris*; 42, *Cactornis scandens*; 43, *C. assimilis*; 44, *Cathartes olivacea*; 45, *Xanthornus flaviceps*; 46, *Zenaidura galapagoensis*; 47, *Rhea darwini*; 48, *Zapornia notata*; 49, *Z. spinosa*; 50, *Anser melanopterus*.

1841. HILL, R. [Letter relating to the Nests of Birds of Jamaica.] < *P. Z. S.*, ix, 1841, pp. 69, 70.

1842. HILL, R. [On the Nests of Jamaican Birds.] < *Ann. Mag. Nat. Hist.*, ix, 1842, pp. 145-147.

From *P. Z. S.*, Sept. 14, 1841, pp. 69, 70.

1842. LAFRESNAYE, [F.] DE. Description de quelques oiseaux nouveaux de Colombie. < *Rev. Zool.*, v, 1842, pp. 301, 302.

*Catamblydactylus* (g. n.) *diadema*, *Controstrum albifrons*, p. 301; *C. coerulescens*, p. 302.

1842. LAFRESNAYE, [F.] DE. Oiseaux nouveaux de Colombie. < *Rev. Zool.*, v, 1842, pp. 332-335.

*Grallaria ruficapilla*, p. 335; *G. nana*, p. 334; *Coparus leucocatus*, *Arremon atropileus*, p. 335; *Tachyphonus victorinus*, p. 336. Coup-d'œil sur 9 esp. de *Grallaria*.

1842. LESSON, R. P. Notes sur les Oiseaux nouveaux ou peu connus rapportés de la Mer du Sud, par M. Adolphe Lesson. < *Rev. Zool.*, v, 1842, pp. 135, 136.

*Megalonyx natus*, *Parra cordifera*, *Arara erythrocercus*, *Psittacus aurogallatus*, *P. chrysopygon*, *P. characostrum*, p. 135; *Trogon capistratum*, p. 136, spp. nn.

1842. LESSON, R. P. Species avium novæ aut minus cognite: auctore R. P. Lesson, in itinere A. Lessonio collectæ. < *Rev. Zool.*, v, 1842, pp. 174, 175.

*Crypticus apiaster*, *Momotus Lessonii*, *Picolaptes albiventer*, *Pipra fastuosa*, *Picolaptes capitata*, *Pitylus lazulus*, p. 174; *Tanager diaconus*, *T. affinis*, *Orsaimya cinnamomea*, *Ortyx leucopygon*, p. 175.

1843. CABOT, S., JR. [Corvus vociferus, p. 155; Oriolus musicus, p. 155; Momotus yucatacensis, p. 156, spp. nn. from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, pp. 155, 156.

1843. FRASER, L. [On the Collection of South American Birds brought to England by Mr. Bridges.] < *P. Z. S.*, xi, 1843, pp. 108-121.

Numerous species fully annotated by the collector, constituting an approximate list of Chilean birds.

1843. HARTLAUB, G. Description de quatre espèces d'oiseaux de la Nouvelle-Grenade. < *Rev. Zool.*, vi, 1843, pp. 289, 290.

*Vireo versicolor*, *Myiobius diadema*, *M. pyrrhopterus*, *Todirostrum granadense*, p. 289.

1843. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux ou peu connus de Colombie. < *Rev. Zool.*, vi, 1843, pp. 68-70.

*Ampelis aureopectus*, p. 68; *Tanager olivacea*, *T. argentea*, *T. nigroviridis*, p. 69, spp. nn.

1843. LAFRESNAYE, F. DE. Description de deux Oiseaux de Colombie. < *Rev. Zool.*, vi, 1843, pp. 131-133.

*Merulaxis orthonyx*, p. 131; *Tanager albocristatus*, p. 132.

1843. LAFRESNAYE, F. DE. Oiseaux nouveaux de Colombie. < *Rev. Zool.*, vi, 1843, pp. 290, 292.

*Tanager atricapilla*, *T. aurulenta*, *Cassicus uropygialis*, *Synallaxis* [sic] *striaticollis*, *S. unirufus*, *S. fuliginosus*, *S. brachyurus*, *S. gularis*, p. 290; *S. cinnamomeus*, *Muscicapa cinnamomeiventris*, *M. fuscicapilla*, *M. ruficeps*, *Pachyrhynchus squamatus*, *Fringilla analis*, *Spermophila luctuosa*, *S. olivaceoflava*, *Querula fuscocinerea*, p. 291; *Carduelis columbianus*, *Setophaga nigrocincta*, p. 292.

1843. TSCHUDI, J. J. V. Diagnosen einiger neuer peruanischer Vögel. <Arch. f. Naturg., 1843, (1), pp. 385-390.  
*Amphisp. elegans*, *A. cineta*, *Columba gracilis*, *C. meloda*, p. 385; *C. fœanata*, *Penelope rufoventris*, *P. adspersa*, p. 386; *Thinocorus ingæ*, *Crypturus kleei*, *Odontophorus speciosus*, *Oedscnemus superciliosus*, p. 387; *Charadrius winterfeldtii*, *C. resplendens*, *Crax facialis*, *C. femoralis*, p. 388; *Larus modestus*, *Fulica ardesiaca*, *Sterna acutirostris*, *S. exilis*, p. 389; *Dysporus variegatus*, *Anser montana*, *Anas leucogenis*, p. 390. 22 spp.: die ausführlichen Beschreibungen und Abbildungen dieser Vögel in dem ornithologischen Theile, Fauna Peruana.
1844. ABBOTT, S. L. [Remarks on Exhibition of some Birds from Surinam.] <Proc. Bost. Soc. Nat. Hist., i, 1844, p. 171.
1844. CABOT, S., JR. Descriptions and Habits of Some of the Birds of Yucatan. <Journ. Bost. Soc. Nat. Hist., iv, pt. iv, 1844, pp. 460-467. (Read Nov. 1, 1843.)  
*Ortyx nigrogularis* Gould. *Falco percontator*, p. 462; *Corvus vociferus*, p. 464; *Oriolus muscivorus*, p. 465; *Homotus yucatacensis* [sic], p. 466. spp. nn.
1844. HARTLAUB, [G.] Description de sept Oiseaux nouveaux de Guatemala. <Rev. Zool., vii, 1844, pp. 214-216.  
*Picus guatemalensis*, *Turdus* (*Merula*) *rufo-terques*, *Tyrannus* (*Mitralus*) *monachus*, p. 214; *Controstrum superciliosum*, *Garrulus* (*Cyanocorax*) *melanocyanus*, *Geococcyx affinis*, p. 215; suivie de la synonymie de *G. viaticus*.
1844. HILL, R. [Letter accompanied by a donation of two Birds' Skins from Jamaica.] <P. Z. S., xii, 1844, p. 1.
1844. LAFRESNAYE, [F.] DE. Observations ornithologiques [sur divers Oiseaux de la Nouvelle-Grenade]. <Rev. Zool., vii, 1844, pp. 7-80.  
*Muscicapa fuscocapilla* Lafr. = *Myiobius diademata* Hartl., *Myiobius pyrropterus* Hartl. = *Muscipeta cinnamomea* d'Orb. et Lafres., *Sceloporus nigrocineta* Lafr. = *S. canadensis* auct.
1844. LAFRESNAYE, [F.] DE. Nouvelles espèces d'oiseaux de Colombie. <Rev. Zool., vii, 1844, pp. 80-83.  
*Dendroclaptes perrotii*, *Tyrannula ardesiaca*, p. 80; *Hylophilus leucophrys*, *Chaetura brunnirostris*, *Sceloporus flavescens*, p. 81; *Thamophilus albicans*, *T. multistriatus*, *T. brevirostris*, p. 82; *T. shistaceus* [sic], *T. aspersiventris*, p. 83.
1844. LAFRESNAYE, F. DE. Description de quelques Oiseaux de la Guadeloupe. <Rev. Zool., vii, 1844, pp. 167-169.  
*Sittator guadelupensis*, *Turdus montanus*, *T. L'Hermitei*, p. 167; avec des détails sur la *Procellaria diabolica* L'Herm.
1844. LESSON, R. P. Oiseaux nouveaux. <Rev. Zool., vii, 1844, pp. 433-437.  
*Piccolaptes cinnamomeus*, *Ornismya feliciana*, p. 433; *Troglodytes murinus*, p. 434; *Arremon abbeillei*, *Tiaris cruentus*, p. 435; *Pendulius californicus*, p. 436.
1844. TSCHUDI, J. J. VON. Avium conspectus quæ in Republica Peruana reperiuntur et pleraque observatae vel collectae sunt in itinere a Dr. I. I. de Tschudi. <Arch. f. Naturg., 1844, (1), pp. 262-317.  
Spp. 357 enumeratio, descriptionibus specierum et generum quorundam novorum, necnon synonymiis multis, adjectis: genera nova proposita sunt a Cabanis, qui ad constituendam hanc enumerationem observationes varias communicavit.—*Polyborus tenuirostris*, *Hypomorphnus*, p. 263; *Circus solitarius*, p. 264; *Climacocercus*, p. 265; *Circus polypterus*, *Noctua melanota*, p. 266; *Cupimulga uellatus*, *C. decussatus*, *C. pruinosus* (Licht., Mus. Berol.), p. 266; *C. climacocercus*, p. 269; *Amphisp. rufaxilla*, *Ptilopus leucotis*, *P. prisciventer*, p. 270; *Pipra chlorameros*, *P. corrubus-capilla*, p. 271; *Scaphorhynchus chrysoccephalus*, *Tyrannus cinchoneti* (Licht., M. B.), *Mitarchus*, p. 272; *M. atropurpureus* (Licht., Mus. Berol.), *Eusearthrus pileatus*, *E. crispus*, p. 273; *Elaenia modesta*, *E. brevirostris*, *E. viridiflora*, p. 274; *Mimetes M. poliocephalus*, *Leptogon L. superciliosus*, p. 275; *L. cinereus*, *Sceloporus melanocephalus*, *S. chrysogaster*, *Pipimura albifrons*, p. 276; *Ochthites*, p. 277; *Thamophilus luctuosus*, *T. olivaceus*, *T. axillaris*, *Pitius leucophrys*, p. 278; *Corythopsis torquata*, *Circus leucocephalus*, *Chamaea olivacea*, p. 279; *Turdus serranus*, *Mimus longicaudatus*, p. 280; *Cillarus*, *C. palliatus*, *Pteropterus femoralis*, p. 281; *P. acutirostris*, *Cyporhynchus*, *C. thoracicus*, *Troglodytes audax*, *T. leucophrys*, p. 282; *Myiodynastes coronatus*, *M. tristriatus*, p. 283; *Hylophilus frontalis*, *H. olivaceus*, *Procnops*, p. 285; *P. atrocerulea*, *P. argentea*, *Calocypiza pulchra*, *C. xanthocephala*, p. 285; *C. callipura* (Licht., Mus. Berol.), *Tanagra frugilegus*, p. 286; *T. analis*, *Phainosoma ardens*, p. 287; *Saltator elegans*, p. 288; *Arremon frontalis*, *Phrygilus*, p. 289; *P. plebejus*, *P. rusticus* (Licht., M. B.), *Spizella*, *S. luctuosa* (Licht., M. B.), p. 291; *Diglossa melanops*, *Anabates auritus* (Licht., M. B.), p. 294; *A. montanus*, *A. ochrolineus*, *A. melanorhynchus*, *Dendroclaptes chunchotambo*, p. 295; *D. validus*, *Trochilus apicalis* (L., M. B.), p. 296; *T. phaeo-*

## 1844. TSCHUDI, J. J. VON.—Continued.

*pugus* (L., M. B.), *T. leucogaster*, p. 297; *T. opaeus* (L., M. B.), *T. insectivorus*, *T. otero*, p. 298; *Trogon heliothrix*, *Lyporix ruficapilla*, p. 300; *Capito glaucogularis*, p. 301; *Picus haemato-gaster*, p. 302; *Psittacus mercenarius*, p. 303; *P. tumultuosus*, *Conurus mitratus*, *C. rupicola*, *C. sitophagus*, p. 304; *Columba melancholica*, *Odontophorus pachyrhynchus*, p. 306; *Crypturus atro-capillus*, p. 307; *Larus serranus*, p. 314; *Anas puna* (Licht., M. B.), p. 315, *genn.* et *spp.* nn.

1845. CABOT, S., JR. Further accounts of some of the Birds of Yucatan. < *Journ. Bost. Soc. Nat. Hist.*, v. pt. i, 1845, pp. 90-93, pl. xii. (Read Jan. 3, 1844.)

*Pyrhula raptor*, p. 90, pl. xii; *Picus dubius*, p. 91; *Picus parvus*, *P. yucatanensis*, p. 92, *spp.* nn.

1845. CABOT, S., JR. [On *Himantopus nigrocollis* and *Anhinga carolinensis* from Surinam.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, p. 46.1845. DES MURS, O. Description de quelques espèces nouvelles d'Oiseaux. < *Rev. Zool.*, viii, 1845, pp. 207-209.

*Psittacus amazonicus*, *Ortyx perrotiana*, *Galbacyrhynchus* (g. n.) *leucotis*, p. 207. Avec une note sur *Falco isidori*.

1845. FRASER, L. [On Chilean Birds.] < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 430, 431. From *P. Z. S.*, October 8, 1844.1845. FRASER, L. [Exhibition of two Birds from Chili.] < *P. Z. S.*, xiii, 1845, p. 1.1845. LAFRESNAYE, [F.] DE. Oiseaux nouveaux rapportés par M. Léclancher, chirurgien de l'expédition de la corvette la Favorite. < *Rev. Zool.*, viii, 1845, pp. 93, 94.

*Seissirostrum* (g. n.) *pagei*, p. 93; *Pericrocotus cinereus*, *Dicæum leclancherii*, p. 94.

1845. LAFRESNAYE, F. DE. Description de quelques oiseaux nouveaux. < *Rev. Zool.*, viii, 1845, pp. 337-342.

*Thriothorus fasciato-ventris*, *T. rufalbus*, p. 337; *T. leucotis*, *T. maculipeetus*, *T. striatulus*, p. 338; *Campylorhynchus rufinucha*, *C. brevisrostris*, *C. megalopterus*, p. 339; *Thamnophilus immaculatus*, p. 340; *Myiotherdus fuscator*, *Tyrannula icterophrys*, *Tyrannulus nigrocapillus*, *Hylophilus semibrunneus*, p. 341; *H. flavipes*, p. 342.

1845. TSCHUDI, J. J. V. Nachträgliche Bemerkungen zu meinem Conspectus Avium etc. [op. cit. 1844, (1), pp. 262-317]. < *Arch. f. Naturg.*, 1845, (1), pp. 360-366. *Cyclarkis oehrocephala*, *C. poliocephala*, p. 362, *spp.* nn.1845. ——— Histoire physique, politique et naturelle de l'Île de Cuba, par Ramon de la Sagra, Directeur du Jardin de Botanique de la Havane. Paris chez A. Bertrand. < *Oken's Isis*, Bd. xxxviii, 1845, pp. 196-218.

Vögel, pp. 200-202. Bearbeitet von A. d'Orbigny.

1845. ——— Voyage en l'Amérique meridionale, exécuté pendant 1826-1833, par Alcide d'Orbigny. Strasbourg chez Levrault. < *Oken's Isis*, Bd. xxxviii, 1845, pp. 588-600.

## 1845-46. TSCHUDI, J. J. V., and CABANIS, J. Untersuchungen | über die | Fauna Peruana | von J. J. von Tschudi, | Doctor der Philosophie, Medecin und Chirurgie, Mitglied der kaiserlich leopoldinisch-carolinischen Academie | der Naturforscher etc. etc. etc. | — | St. Gallen. | Druck und Verlag von Scheitlin und Zollikofer. | 1844-1846. 1 vol. Large 4to. &gt; Ornithologie | bearbeitet von | Dr. J. J. von Tschudi | mit Anmerkungen | von | J. Cabanis, | Adjunkt am zoologischen Museum in Berlin. | — | 1845 und 1846. 1 p. l., pp. 1-316, pll. col'd i-xxxvi.

Contains a systematic synonymic conspectus of Peruvian birds (cf. *Arch. f. Naturg.*, x, 1844, p. 262; xi, 1845, p. 360), followed by a general systematic account of the Peruvian avifauna, descriptive, critical, and biographical. The new species appear to have been mostly described already, as the "Conspectus" (*Arch. für Naturg.*, l. c.) is quoted in the present volume.

*Turdus swainsonii* Cab., p. 187; *Procnias viridis* Cab., p. 197; *Syealis chloris* Cab., p. 216; *Conurus frontatus* Cab., p. 272. *spp.* nn.—Pl. I, *Hypomorphnus uncinatus* (pl. marked *Polyborus tenuinurus*). II, *Circæus solitarius*. III, *Circus poliopterus*. IV, *Noctua melanotata*. V, f. 1, *Caprimulgus decaussatus*; f. 2, *C. ocellatus*. VI, f. 1, *C. elimaecercus*; f. 2, *C. pruinatus*. VII, f. 1, *Amphelis rufacilla*; f. 2, *Phyllogonyx leucotis*. VIII, f. 1, *Scaphorhynchus chryscephalus*; f. 2, *Tyrannus cineræus*. IX, f. 1, *Euscarthmus pileatus*; f. 2, *Elania viridiflora*. X, f. 1, *Mimetes poliocephalus*; f. 2, *Leptopogon superciliaris*. XI, f. 1, *Thamnophilus olivaceus*;

1845-46. TSCHUDI, J. J. V., and CABANIS, J.—Continued.

f. 2, *Lithys leucophrys*. XII, f. 1, *Setophaga melanocephala*; f. 2, *Ptyonura albifrons*. XIII, f. 1, *Hypophilus frontalis*; f. 2, *Procnopis atrocercula*. XIV, f. 1, *Myiodioides tristriatus*; f. 2, *Procnopis argentea*. XV, f. 1, *Cinclus leucocephalus*; f. 2, *Mimus longicaudatus*. XVI, f. 1, *Cyphorhinus thoracicus*; f. 2, *Cillurus palliatus*. XVII, f. 1, *Tanagra frugilegus*; f. 2, *Callispiza xanthocephala*. XVIII, f. 1, *Tanagra analis*, f. 2; *Callospiza puichra*. XIX, *Phrygilus plebeius*; f. 2, *Arremona frontalis*. XX, f. 1, *Anabates montanus*; f. 2, *A. ochrolaemus*. XXI, f. 1, *A. melanorhynchus*; f. 2, *Dendrocolaptes validus*. XXII, f. 1, *D. chunchotambo*; f. 2, *Trochilus leucogaster*. XXIII, f. 1, *T. insectivorus*; f. 2, *T. otero*. XXIV, f. 1, *Lyproxia ruficapilla*; f. 2, *Capito glaucogularis*. XXV, *Picus haematogaster*. XXVI, f. 1, *Conurus rupicola*; f. 2, *C. mitratus*. XXVII, *Psittacus mercenarius*. XXVIII, *Columba frenata*. XXIX, *C. meloda*. XXX, *C. gracilis*. XXXI, *Penelope rufiventris*. XXXII, *Crypturus kleei*. XXXIII, *Odontophorus speciosus*. XXXIV, *Charadrius winterfeldtii*. XXXV, *Larus modestus*. XXXVI, *Merganetta leucogcygnus*.

1846. BRIDGES, T. [Letter addressed to G. R. Waterhouse, Esq., containing notices of Bolivian Mammals and Birds.] <P. Z. S., xiv, 1846, pp. 7-10.

1846. LAFRESNAYE, [F.] DE. Sur quelques nouvelles espèces d'oiseaux de Colombie. <Rev. Zool., ix, 1846 pp. 203-209.

*Tachyphonus brevipes*, p. 206; *Tyrannula rufipectus*, *Spermophila olivaceocephala*, p. 207; *Dendrocolaptes albolineatus*, p. 208.

1846. LAFRESNAYE, F. DE. Sur quelques oiseaux nouveaux de l'embouchure de l'Orénoque. <Rev. Zool., ix, 1846, pp. 273-277.

*Nemosia nigrogenis*, p. 273; *Saltator orinocensis*, p. 274; *Coraciina granadensis*, *C. orinocensis*, p. 277.

1846. LAFRESNAYE, F. DE. Quelques nouvelles espèces d'oiseaux de la Jamaïque. <Rev. Zool., ix, 1846, pp. 320-322.

*Tachyphonus rufogularis*, *Pachyrhynchus aterrimus*, p. 320; *Piaya cinnamomeiventris*, *Pionus vinaceicollis*, *Columbigallina versicolor*, p. 321. Voir R. Z., 1847, pp. 64, 80-83.

1846. MAXIMILIAN, PRINCE DE NEUWIED. Note rectificative sur quelques oiseaux du Brésil. <Rev. Zool., ix, 1846, pp. 162-164.

1846. — Untersuchungen über die Fauna peruviana auf einer Reise in Peru von D. J. J. von Tschudi. St. Gallen bey Scheitlin. Lief. vi. 1846. S. 189. 244. Taf. 6. ill. <Oken's Isis, Bd. xxxix, 1846, pp. 312, 313.

1846-47. JARDINE, W. Horæ Zoologicae:—No. VIII. Ornithology of the Island of Tobago. <Ann. Mag. Nat. Hist., xviii, 1846, pp. 114-121; xix, 1847, pp. 78-83; xx, 1847, pp. 328-334, 370-378.

*Acanthylis brachyura*, p. 120.

1847. BRIDGES, T. Notes in addition to former [P. Z. S. 1843, p. 108, and 1846, p. 9] Papers on South American Ornithology. <P. Z. S., xv, 1847, pp. 28-30.

Miscellaneous notes on a few species.

1847. BRIDGES, T. Notes in addition to former [P. Z. S., 1843, p. 108; 1846, p. 9] Papers on South American Ornithology. <Ann. Mag. Nat. Hist., xix, 1847, pp. 419-421.

From P. Z. S., Mar. 23, 1847, pp. 28-30.

1847. DENNY, W. A few remarks on the Geographical Distribution of Birds in the West Indies. <P. Z. S., xv, 1847, pp. 36-41.

I. 45 spp. land-birds common to Jamaica, Cuba, and United States. II. 7 spp. land-birds observed in Terra Firma, but unknown in North America. III. 60 spp. peculiar to the West Indies. With numerous water-birds of general dispersion. The list is obviously defective and very inaccurate, having no authority whatever.

1847. GARDNER, G. Notes of Birds in Brazil. <Zoologist, v, 1847, p. 1637.

1847. GAY, C. Historia | física y política | de Chile | según documentos adquiridos en esta república | durante doce años de residencia en ella | y publicada | bajo los auspicios del supremo Gobierno | por Claudio Gay | Ciudadano Chileno. | individuo de varias sociedades científicas nacionales y extranjeras, | caballero de la legión de honor. | Zoología. | — | Tomo primero. | [Blazon.] | Paris | en casa del autor. | Chile | en el Museo de Historia Natural de Santiago. | — | MDCCCLXVII | 8vo. pp. 496. >Aves, pp. 183-496. Atlas, folio.

## 1847. GAY, C.—Continued.

Gay was little of an ornithologist, and his work passes for no more than it is worth. The text consists of a diagnosis and description of each species and group, with a slight synonymy and miscellaneous matter, chiefly relating to habits. Birds are divided into Rapaces, Pajarillos, Trepadoras, Palomas, Gallinaceas, Zancudas, and Nadadoras. *Uta fasciata*, p. 252; *Sylvioorthorhynchus* (g. n., p. 315) *desmursii*, p. 316; *Chlorospiza aldunatei*, p. 356; *Zenaida macroura*, p. 389; *Peristera auriculata*, p. 381; *Nothura punctulata*, p. 391; *Squatarola urcillii*, p. 401, spp. mn. Cf. *Edinb. New Philos. Jour.*, n. s., iii, 1856, pp. 335–338.

## 1847. GOSSE, P. H. The | Birds of Jamaica. | By | Philip Henry Gosse; | assisted by Richard Hill, Esq., of Spanish-town. | London: | John Van Voorst, Paternoster Row. | M.DCCC.XLVII. 1 vol. 8vo. 1 p. l., pp. x, 447, and 1 l. of advt. (A separately-titled vol. of 52 colored plates attends this work. See 1849.)

Nearly 200 spp. Text almost entirely biographical and "entirely from original investigation" of the author and R. Hill, "whose notes pervade this volume". . . "An observer is hardly competent to determine what circumstance is trivial and what is important: many a recorded fact in science has lost half its value from the omission of some attendant circumstance, which the observer either did not notice, or thought irrelevant."—(Gosse, p. iv.)

The new species are:—*Ephialtes grammicus*, p. 19; *Nyctibius pallidus*, p. 49; *Tachornis phenicobia*, p. 58; *Hirundo parvulus*, p. 64 (lege *parvulus*); *H. euclysea*, p. 68; *Mellisuga humilis*, p. 127; *Sylviola eoa*, p. 158; *S. paucosa*, p. 162; *S. pharetra*, p. 163; *Migobius pallidus*, p. 166; *M. tristis*, p. 167; *M. stolidus*, p. 168; *Spermophile anoxantha*, p. 247; *S. alba*, p. 253; *Pyrrhula robinsonii*, p. 259; *Geotrygon sylvatica*, p. 316; *Egretta alba*, p. 334; *E. rubicollis*, p. 338; *Rallus colubor*, p. 369; *Anas maxima*, p. 399; *Cyanopterus inornatus*, p. 402; *Erismatura ortygoides* "Hill", p. 406.

## 1847. GOSSE, P. H. Extracts from the 'Birds of Jamaica, by Philip Henry Gosse.' &lt; Zoologist, v, 1847, pp. 1808–1820.

## 1847. HARTLAUB, G. Systematischer Index | zu | Don Felix de Azara's | Apuntamientos para la historia natural | de los Pájaros | del | Paraguay y Rio de la Plata. | — | Von | Dr. G. Hartlaub. | — | Bremen, | Druck von C. Schönmann. | 1847. 1 vol. sm. 4to. pp. i–vi, 1–29.

Important commentary on Azara. See 1802–05, AZARA.

## 1847. HARTLAUB, [G.] [Note sur quelques espèces nouvelles d'oiseaux de la Jamaïque, R. Z. 1846, pp. 320–322.] &lt; Rev. Zool., x, 1847, p. 64.

## 1847. HARTLAUB, [G.] [Sur quelques oiseaux de la Jamaïque récemment décrits par M. de Lafresnaye.] &lt; Rev. Zool., x, 1847, pp. 271, 272.

## 1847. LAFRESNAYE, [F.] DE. Quelques oiseaux nouveaux ou rares rapportés par M. Delattre, de Bolivie, de la Nouvelle-Grenade, et de Panama. &lt; Rev. Zool., x, 1847, pp. 67–79.

27 esp.—*Grallaria monticola*, p. 68; *Tyrannula frontalis*, p. 70; *Tanagra palpebrosa*, *Aglaia wilsoni*, p. 71; *A. fanny*, *Tachyphonus delattrei*, *Arremon aurantirostris*, p. 72; *Saltator striatipectus*, *S. maculipectus*, p. 73; *Coccothraustes cyanoïdes*, p. 74; *Linaria analoïdes*, *L. inornata*, *Geositta peruviana*, p. 75; *Dendroplex picirostris*, p. 76; *Picumnus granadensis*, p. 78; *Malacoptila panamensis*, p. 79, spp. mn.

## 1847. LAFRESNAYE, [F.] DE. Réponse de M. de Lafresnaye aux Observations du docteur Hartlaub, du dernier numéro de la Revue Zoologique. &lt; Rev. Zool., x, 1847, pp. 80–83.

1847. LAFRESNAYE, F. DE. Mélanges ornithologiques sur l'espèce de Ramphocèle à plumage variable, rapporté de la Nouvelle-Grenade par M. Delattre; et sur le *Cassicus uropigyalis* [sic]. < Rev. Zool., x, 1847, pp. 215–218.

*Ramphocelus varians*, sp. n., p. 216; *Cassicus uropigyalis* (sive *curvirostris*, sp. n. supp.), p. 218.

## 1847. LAFRESNAYE, [F.] DE. Réponse de M. de Lafresnaye à la notice de M. le Dr Hartlaub, de l'avant-dernier numéro de cette Revue. &lt; Rev. Zool., x, 1847, pp. 350–352.

1847. SCHOMBURGK, R. H. The History of Barbadoes, . . . London. 1847. Roy. 8vo. Not seen.—Cf. *P. Z. S.*, 1871, p. 267. [See beyond, APPENDIX.]

## 1847. TSCHUDI, J. J. v. Animal Life in the Peruvian Forests. &lt; Zoologist, v, 1847, pp. 1715–1728.

## 1847. TSCHUDI, J. J. v. Animals of the Puna of Peru. &lt; Zoologist, v, 1847, pp. 1758–1763.

1847. TSCHUDI, J. J. v. Zoology of Valparaiso. < *Zoologist*, v, 1847, pp. 1763, 1764.  
 1847. TSCHUDI, J. J. v. Zoology of Chiloe. < *Zoologist*, v, 1847, p. 1764.  
 1847. TSCHUDI, J. J. v. Animals in the Bay of Callao. < *Zoologist*, v, 1847, pp. 1764-1766.

This and the four preceding papers are extracted from "Travels in Peru".

1847. YARRELL, W. Descriptions of the Eggs of some [about 30] of the Birds of Chile. < *P. Z. S.*, xv, 1847, pp. 51-55.  
 1847. ——— Untersuchungen über die Fauna peruana auf einer Reise während 1838-42. von Dr. J. J. Tschudi. St. Gallen bey Scheitlin. Heft vii-xii, 1846. Kl. Folio. S. 33-316, und 80. und 35 Tafeln ill. < *Oken's Isis*, Bd. xl, 1847, pp. 703-705.  
 1847-48. HARTLAUB, G. Ueber den heutigen Zustand unserer Kenntnisse von Westindiens Ornithologie. < *Oken's Isis*, Bd. xl, 1847, pp. 604-615; Bd. xli, 1848, pp. 401-409.

An important résumé of the subject.

1848. CABANIS, J. Reisen in | Britisch-Guiana | in den Jahren 1840-1844. | Im Auf-  
 trag Sr. Majestät des Königs von Preussen | ausgeführt von | Richard Schom-  
 burgk. | — | Nebst einer Fauna und Flora Guiana's nach Vorlagen | von |  
 Johannes Müller, Ehrenberg, Erichson, Klotzsch, Troschel, | Cabanis und  
 andern. | — | Mit Abbildungen und einer Karte von Britisch-Guiana | aufge-  
 nommen von | Sir Robert Schomburgk. | Erster [zweiter, dritter] Theil. | — |  
 Leipzig, | Verlagsbuchhandlung von J. J. Weber. 1847 [1848, 1848]. 3 vols.  
 Sm. 4to, shape of a large 8vo. Vol. I, 1847, map, pp. i-viii, i-x, 1-470, maps  
 and pll. Vol. II, 1848, pp. i-xiv, 1-530, 1 l., pll. Vol. III, 1848, with special  
 title: Versuch | einer | Fauna und Flora | von | Britisch-Guiana. | Nach Vor-  
 lagen | von | Johannes Müller, Ehrenberg, | Erichson, | Klotzsch, Troschel, |  
 Cabanis und andern. | Systematisch bearbeitet | von | Richard Schomburgk.  
 | — | Leipzig, | Verlagsbuchhandlung von J. J. Weber. | 1848. pp. i-viii,  
 531-1260, 1 l. > Vögel, bearbeitet von J. Cabanis, pp. 662-765.

The third volume, as just indicated, has a special title, by which it is sometimes cited apart from the rest, giving the impression that it is a different work.

Schomburgk's Guiana becomes a very important work in South American ornithology, from the number of new genera and species described by Cabanis in his elaborate presentation of the subject. Various touchings of birds, by Schomburgk himself, occur through the other volumes; but Cabanis's article is the formal presentation of the ornithological affair. It is a systematic synopsis, with synonymy, description, and much critical comment by Cabanis, and miscellaneous matter by Schomburgk. According to Schomburgk's opening paragraphs:

"Meine Vögelsammlung enthält 424 Arten, also noch 6 Arten mehr, als in der Einleitung zur Fauna angegeben sind: *Osciæ* 83, darunter 12 neue; *Clumatores* 93, darunter 11 neue; *Strisores* 36, darunter 3 neue; *Scansores* 77, darunter 2 neue; *Raptores* 43, darunter 1 neue; *Gigantes* 6; *Raptores* 15, darunter 1 neue; *Grallatores* 55, darunter 1 neue; *Natatores* 16. Im Ganzen 31 neue Arten.

"Bei der systematischen Anordnung ist das neu aufgestellte System des Herrn CABANIS zu Grunde gelegt worden, was hoffentlich um so willkommener geheißen werden wird, als dies jedenfalls unter allen bisher aufgestellten, das erste ist, welches den Anforderungen, die man an ein natürliches System zu stellen berechtigt ist, wirklich entspricht."

Vergl. Ornithologische Notizen von Cabanis in: *Archiv für Naturgeschichte*, Bd. i, 1847, 88. — — — und besonders abgedruckt.

*Tardus gymnocephalus*, p. 665; *T. phaeopygus*, genus *Basileuterus*, p. 666; *Setophaga castaneicapilla*, p. 667; *Euphonia minuta*, p. 671; *Tragodytes rufulus*, p. 672; *Thryothorus albigularis*, p. 673; *Diglossa major*, *Saltator olivaceus*, p. 676; *Arremon personatus*, *Coccothraustes ater*, p. 678; *Sporophila castaneiventris*, *Spizella minor*, p. 679; *Molothrus atronitens*, *Lamprocorax* (g. n.) *guianensis*, p. 682; *Chalcophaps minor*, ? *Cyanocorax hyacinthinus* ("Natt."), p. 683; *Conopophaga angustirostris*, p. 685; *Dasycephala uropygialis*, p. 686; *Anabates pyrrhodes*, *Premnacephala* (g. n.) *undulatus*, p. 689; *Copurus poecilnotus*, p. 702; *Campylorhynchus hypocythrus*, p. 709; *Cupirimalpus nigriscens*, p. 710; ? *Nyctibius rufus*, p. 711; *Coccyzus helveticus*, p. 714; *Pittacula modesta*, p. 727; *Buteo abbreviatus* ("Licht. Mus. Berol."), p. 739; *Trachypellus* (g. n.) *suberistatus*, p. 749; *Crex schomburgkii* descr. orig. Theil ii, p. 245, spp. nn. Other genera of Cabanis's here new, or lately new, are *Geothlypis*, p. 666; *Phoenicossoma* (for *Phoenicossoma*), *Pogonothraupis*, p. 669; *Archelochina*, p. 675; *Calyptrophorus* [sic], p. 678; *Pyr-rococcyx*, p. 733; *Monasta* (for *Monasteria*), p. 749; *Orthogoriscus*, p. 739.



1848. [CABOT, S., JR. ?] Incidents of Travel | in Yucatan. | By John L. Stephens. | Author of "Incidents of Travel in Egypt, Arabia, Petraea, and the | Holy Land," "Incidents of Travel in Central America," etc. | Illustrated by 120 engravings. | In two Volumes. | Vol. I [II]. New York: | Published by Harper & Brothers | for Henry Bill. | 1848. 2 vols. 8vo. Vol. I, pp. i-xii, 9-459, 54 engravings. Vol. II, pp. i-xvi, 9-478, 70 engravings. > Vol. II, Appendix, Memorandum for the Ornithology of Yucatan, pp. 469-476.

I find no indication of the authorship of this "Memorandum", but am under the impression that it is by Dr. Samuel Cabot, jr. It consists of a brief general essay on the subject, concluded with a list of "Birds observed in Yucatan during the winter of 1841, '2, between the months of October and June, which are also found in the United States, and have been figured and described by Wilson, Audubon, Bonaparte, and Nuttall", pp. 475, 476. Both volumes also contain cursory bird-matter by the author.

1848. CASTELNAU, [F. DE]. Considérations sur l'ornithologie de l'Amérique tropicale. <Arch. des Sc. Phys. et Nat., viii, 1848, p. 72.

Compt. Rend. du 6 Mars 1848.

1848. CASTELNAU, F. DE. Considérations générales sur l'ornithologie de l'Amérique tropicale. <Compt. Rend. de l'Acad. Sci., xxvi, 1848, pp. 306, 307.

1848. CASTELNAU, [F.] DE. Considérations générales sur l'ornithologie de l'Amérique tropicale. <Rev. Zool., xi, 1848, pp. 89, 90.

1848. DUBUS, [B.] Ueber einige neue Vögel aus Amerika. <Oken's Isis, Bd. xli, 1848, p. 959.

Bull. Acad. Bruxelles, 1848, p. 347. (I cannot get this. See next title.)

1848. LAFRESNAYE, F. DE. Description de quelques oiseaux nouveaux de Caracas (province de Venezuela) et de Bogota. <Rev. Zool., xi, 1848, pp. 2-12.

*Merula olivacea*, p. 2; *M. atro-sericea*, p. 3; *Turdus nudigenis*, p. 4; *T. minimus*, *Scaphorhynchus chrysocephalus*, p. 5; *Tyrannula cineracea*, p. 7; *Setophaga albidiadema*, p. 8; *Controstrum atro-cyanæum*, p. 9; *Tachyphonus canicularis*, p. 11; *T. albitempora*, p. 12.

1848. LAFRESNAYE, F. DE. Sur le genre *Psittacula* et sur quelques nouvelles espèces d'oiseaux de Colombie et du Mexique. <Rev. Zool., xi, 1848, pp. 170-176.

*Ps. conspicillata*, *Ps. viridissima*, p. 172; *Tachyphonus ruficeps*, p. 173; *Muscicapa viridula*, p. 174; *Pipilo rufipileus*, p. 176, spp. nn.

1848. LAFRESNAYE, [F.] DE. [Reconnaissance d'une notice, extraite des bulletins de l'Académie royale de Belgique, de quinze nouvelles espèces d'oiseaux d'Amérique, décrites par M. le vicomte Dubus.] <Rev. Zool., xi, 1848, pp. 239-249.

*Morphnus mexicanus*, p. 239; *Ischnoscotes niger*, p. 241; *Cyanocorax nanus*, *C. unicolor*, *C. violaceus*, p. 243; *Tityra albitorques*, p. 244; *Sylvia teniata*, *Pyrranga cucullata*, *Pitylus polio-gaster*, p. 245; *Pipilo torquatus*, p. 246; *Carduelis notata*, *Arremon ophthalmicus*, p. 247; *Motacilla unitorques*, p. 248; *M. inornata*, *Prionites carinatus*, p. 249; en suite de chaque description des observations qu'elles lui ont suggérées.

1848. POEY, D. A. Catalogo metodico de las Aves de la isla de Cuba. <Mem. Real. Soc. Econom. de la Habana, Nov. 1848.

Not seen: title from Giebel.

1849. CORNALIA, E. Vertebratorum Synopsis in Museo Mediolanense extantium quæ per Novem Orbem Caietanus Osculati collegit annis 1846-47-48. Speciebus novis vel minus cognitis adjectis, necnon descriptionibus atque iconibus illustratis, curante. Mediolani. 1849. 4to. pp. 15, 1 pl.

Not seen.—Cf. Nuov. Ann. Sc. Nat. Bologna, 3d ser., iii, 1851, pp. 349-351.

1849. DEVILLE, E. Description de quelques Mammifères et Oiseaux nouveaux de l'Amérique méridionale. <Rev. et Mag. Zool., i, 1849, pp. 55-58.

*Tacamerops isidori*, *Gallula chalciocephala*, p. 55; *G. cyanescens*, *Bucco lanecolata*, *Oncorhynchus castelnauvi*, p. 56; *Cassicus oseryi*, p. 57.

1849. GOSSE, P. H. Illustrations | of the | Birds of Jamaica. | By | Philip Henry Gosse. | — | London: | John Van Voorst, 1, Paternoster Row. | 1849. Large 8vo, 1 vol. 3 pp. text (title, advt., and contents), 52 col'd pll.

Bull. v, 2—8

## 1849. GOSSE, P. H.—Continued.

The plates, 52 in number, representing 51 spp., drawn and engraved by the author, printed by Reeve, Benham & Reeve, form the only published part of a series designed to illustrate all the species noticed in the *Birds of Jamaica*; their numbers are consequently, not continuous, though usually arranged consecutively. They represent, among others, Gosse's new species, and include some not in the *Birds of Jamaica*, and are as follows (references to pages being to the *Birds of Jamaica*, 1848, q. v.):—

Pl. II. *Buteo borealis*, p. 11. IV, *Ephialtes grammicus* Gosse, p. 19. VI, *Nyctibius jamaicensis*, p. 41. VII, *N. pallidus* Gosse, p. 49. VIII, *Acanthylis collaris?*, p. 51. IX, *Tachornis phœnicobia* Gosse, with nest, p. 58. X, *Cypselus niger*, p. 63. XII, *Hirundo euchrysa* Gosse, p. 68. XIV, *Todus viridis*, p. 72. XVI, *Certhiola flaveola*, p. 84. XVII, *C. maritima* [ex Wils. = *tigrina* Gm.], p. 87. XVIII, *Lampornis mango*, p. 88. XIX, *Trochilus polytmus*, ♂, and XX, the same, ♀, and nest, p. 104. XXI, *Mellisuga humilis*, ♂, ♀, nest, p. 127. XXII, *Trochilus Maria* "Hill" (*Ann. N. H.*, 1849; not in *B. Jam.*). XXIII, *Merula leucogenys*, p. 136. XXIV, *M. jamaicensis*, p. 142. XXVIII, *Seiurus noveboracensis*, p. 151. XXXII, *Sylviola pensilis*, p. 156. XXXIV, *S. coa* Gosse, p. 158. XXXVII, *S. pannosa* Gosse, p. 162. XXXVIII, *S. phœtre* Gosse, p. 163. XL, *Myiobius pallidus* Gosse, p. 166. XLI, *M. tristis* Gosse, p. 167. XLII, *M. stolidus* Gosse, p. 168. XLIV, *Tyrannus caudifasciatus*, p. 177. XLV, *Elania cotta* Gosse (*Ann. Nat. Hist.*, 1849; not in *B. Jam.*). LII, *Corvus jamaicensis*, p. 209. LIII, *Quiscalus crassirostris*, p. 217. LVI, *Tanagra nigrocéphala*, p. 231 ("T. zena"). LVIII, *Tanagraella rufigollis*, ♂, ♀, p. 236. LIX, *Euphonia jamaica*, ♂, ♀, p. 238. LX, *Coturniculus tizicrus* Gosse, p. 242. LXI, *Crithagra brasiliensis*, p. 245. LXII, *Spermophila anoantha* Gosse, p. 247 (p. "242", err. on pl.). LXIV, *S. bicolor*, p. 252. LXV, *S. adoxa* Gosse, p. 253. LXVI, *Pyrrhulo violacea*, p. 254. LXVII, *P. robinsonii* Gosse, p. 259. LXXXIV, *Piaya plumbea* Gosse, M.S., ref. to p. 324. XC, *Egretta nigra* Gosse, p. 334. XCIII, *E. rufigollis* Gosse, p. 338. CHI, *Rollus concolor* Gosse, p. 369. CIV, *Ortygometra minuta*, p. 372. CVIII, *Himantopus nigricollis*, p. 386. CX, *Anas maxima* Gosse, p. 399. CXI, *Cyanopterus inornatus* Gosse, p. "209". CXIII, *Erimaturus ortygoides*, p. 406. CXX, *Podiceps dominicus*, p. 440.

## 1849. GOSSE, P. H. Descriptions of two new Birds from Jamaica. &lt;Ann. Mag. Nat. Hist., (2), iii, 1849, pp. 257-259.

*Elania* [sic] *cotta*, p. 257; *Trochilus maria*, p. 258.

## 1849. HARTLAUB, G. Description de deux nouvelles espèces d'Oiseaux de Caraccas.

<Rev. et Mag. de Zool., i, 1849, pp. 274, 275.

*Conurus erythrochlorus*, p. 274 (voir op. cit., ii, 1850, p. 158); *Icterus melanopterus*, p. 275.

## 1849. HARTLAUB, G. Description de deux nouvelles espèces d'Oiseaux de Venezuela.

<Rev. et Mag. de Zool., i, 1849, pp. 275, 276.

*Ampelis formosa*, p. 275; *Turdus vulpinus*, p. 276.

## 1849. [JARDINE, W.] Ornithology of Quito. &lt;Jard. Contrib. Orn., 1849, pp. 41-45, 66.

Chiefly relating to zones of elevation. A following paper under the same title describes certain *Trochilidae*; you will find it under head of *Trochilidae*, in the "systematic" portion of my Bibliography, if this is ever published.

## 1849. LAFRESNAYE, [F.] DE. Faune du Pérou, du docteur Tschudi, partie ornithologique; par M. J. Cabanis, conservateur du Muséum de Berlin. &lt;Rev. et Mag. de Zool., i, 1849, pp. 97-105, 232-247.

Critique de cet ouvrage.

## 1850. LEMBEYE, J. Aves | de la Isla de Cuba, | por | Juan Lembeye. | — | Habana. | Imprenta del Tiempo, | Calle de Aguiar num. 45 | — | 1850. 1 vol. 4to. pp. 136, 2 ll., pl. 20.

Text synonymic, descriptive, and general, treating of 86 spp.; 3 others given in a Suplemento. Contains also a compiled nominal list of 222 spp. arranged after d'Orbigny.—*Vireo gundlachi*, p. 29, pl. 5, f. 1; *Muscicapa elizabeth*, p. 39, pl. 5, f. 3; *Hirundo coronata* "Mus. Berol.", p. 45; *Cypselus iradii*, p. 50, pl. 7, f. 4; *Agelaius assimilis* Gundl. MSS., p. 64; *Anabates fernandinae*, p. 66, pl. 5, f. 2; *Orthorhynchus heleneae* Gundl. MSS., p. 70, pl. 10, f. 2; *Ardea cubensis* Gundl. MSS., p. 84, pl. 13, f. 1; *A. bruesae* Gundl. MSS., p. 84, pl. 12; *Hemipalmus minor* Gundl. MSS., p. 97, pl. 13, f. 1. spp. n. n.

## 1850. MITCHELL, D. W. [Notice of Lord Harris's collection from Trinidad.] &lt;P. Z. S., xviii, 1850, pp. 99, 100.

## 1850. STRICKLAND, H. E. [Descriptions of four species of birds from the Peruvian Andes.] &lt;Jard. Contrib. Orn., 1850, pp. 47-50.

*Monasa flavirostris*, p. 47; *Tolirostrum chrysocrotaphum*, *Euphonia bicolor*, p. 48, spp. n. n., the other being *Tachyphonus rufigreuter* (Spix).

1850. WALLACE, A. R. Journey to explore the Natural History of the Amazon River. <Ann. Mag. Nat. Hist., (2), vi, 1850, pp. 494-496.  
Field-notes on several birds.
1851. BONYAN, G. R. Notes on the Raptorial Birds of British Guiana. <P. Z. S., xix, 1851, pp. 53-61.  
Field-observations on a large number of species, mostly given only under English names.
1851. DEVILLE, E. Note sur quatre espèces nouvelles d'oiseaux provenant de l'expédition de M. Castelnau; le *Corvus Weddellii*, *C. jugularis*, *C. Luciani* et *Cultrides Pucheranii*. <Rev. et Mag. de Zool., iii, 1851, pp. 209-213.
1851. GOSSE, P. H. A | Naturalist's Sojourn | in | Jamaica. | By | Philip Henry Gosse, A. L. S., &c. | Assisted by Richard Hill, Esq., Cor. M. Z. S. Lond., | Mem. Coun. Roy. Soc. Agric. of Jamaica. | [Quotation.] | London: | Longman, Brown, Green, and Longmans. | 1851. 1 vol. Sm. 12mo. pp. iii-xxxiv, 1-508, pll. i-viii.  
Birds and flowers, pp. 166-177, in the author's well-known delightful style.
- 1851-52. GOSSE, P. H. Singing Birds and Sweet Flowers in Jamaica. <Edinb. New Philos. Journ., lii, 1852, pp. 31-33, 265-271.  
Extract from "A Naturalist's Sojourn in Jamaica", p. 170.—Controverting the flippant dogma that in tropical countries, where birds and flowers are of brilliant colors, the former are songless and the latter without fragrance.
1852. ARBOLEYA, J. G. DE. Manual | de la | Isla de Cuba. | Compendio | de su Historia, Geografía, Estadística y Administración. | Su autor | D. José G. de Arboleya. | — | Con 5 planos y 30 láminas. | — | Havana: 1852. | Imprenta del Gobierno y Capitanía General por S. M. 1 vol. 18mo. pp. 1-382 + 1 l., maps, plates.  
"En punto á aves tiene la Isla excelente y abundante caza. Hé aquí una lista alfabética de las principales", pp. 165-167, 2 lám.
1852. DEVILLE, E. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Mouches, suivies de quelques notes anatomiques et de mœurs sur l'Hoazin, le Caurale et le Savacon. <Rev. et Mag. de Zool., iv, 1852, pp. 205, 226, pl. 9.  
*Ornismyia*, dix esp. *Opisthocornus* (pl. 9). *Eurypyga helias*. *Cancroma cochlearia*.
1852. GUNDLACH, J. Description of five new Species of Birds, and other Ornithological notes of Cuban Species. Read before the Boston Society of Natural History, March 3d, 1852. <Journ. Bos. Soc. Nat. Hist., vi, pt. iii, 1852, pp. 313-319.  
*Muscicapa sagra*, p. 313; *M. lembeyi*, p. 314; *Orpheus saturninus* Licht., *Columba caniceps*, p. 315; notes on 13 other spp.
1852. [JARDINE, W.] Ornithology of the Island of Tobago. <Jard. Contrib. Orn., 1852, pp. 63-68, 81-88.  
Merely a general sketch of the subject.
1852. [JARDINE, W.] Descriptions of some [lately] New Species of Birds from the Parisian Collections. <Jard. Contrib. Orn., 1852, pp. 129-132, pll. xevi-c.  
Just before published by P. L. Selater in *Rev. et Mag. Zool.*, iv, 1852, pp. 8, 9, q. v.; descr. here quoted and figg. given. *Cotinga porphyrolema* Deville & Sel., pl. xvi; *Arremon mysticallis* Sel., pl. xcix; *Pipilopsis flavicularis* Sel., pl. xcviii; *Pipraeidea albiventris* Sel., pl. c. f. 2; *P. isidorei* Sel., pl. c. f. 1; *P. flavicapilla* Sel., pl. xcvii. f. 2; *P. pyrocephala*, pl. xcvii, f. 1.
1852. KNOX, J. P. An Historical Account of St. Thomas, W. I., with notices of St. Croix and St. John's. By John P. Knox. New York: 1852.  
Not seen: said to contain (pp. 220 et seq.) a slight sketch of the ornithology of St. Thomas, largely copied from Ledru's 'Voyage'.
1852. MOSQUERA, T. C. DE. Memoria sobre la Geografía física y política de la Nueva Granada. New York. 1852. 8vo.  
Not seen: title from Giebel. See the American ed., 1853.

1852. SCLATER, P. L. Ornithological Observations. IX.—On the Birds from Yucatan described by Dr. Cabot in the Journal of the Boston Natural History Society [vols. iv, v]. < *Jard. Contrib. Orn.*, 1852, p. 96.  
Mr. Cassin's identifications of 9 spp., only one of which is allowed to stand.
1852. SCLATER, P. L. Description de six Oiseaux nouveaux appartenant à la collection du Muséum d'histoire naturelle de Paris. < *Rev. et Mag. de Zoologie*, iv, 1852, pp. 5, 9.  
*Arremon mysticallis* [sic], *Pipilopsis flavigularis*, *Pipraidea albiventris*, p. 8; *Pipra isidorei*, *P. flavicapilla*, *P. pyrocephala*, p. 9.
1852. SEEMANN, B. Notes on the Zoology of the Isthmus of Panama. < *Zoologist*, x, 1852, pp. 3313–3320.  
Only a slight paragraph on birds, p. 3315.
1852. WILLIAMS, J. J. The | Isthmus | of | Tehuantepec | . . . | New York: | D. Appleton & Company, 200 Broadway. | M DCCC LII. 1 vol. 8vo. pp. 295.  
Cursory allusion to a few spp. of birds at pp. 208–210.
1853. BONYAN, G. R. Notes on the Raptorial Birds of British Guiana. < *Ann. Mag. Nat. Hist.*, (2), xi, 1853, pp. 138–146.  
From *P. Z. S.*, xix, 1851, pp. 53–61.
1853. BURMEISTER, H. Ueber die Eier und Nester einiger brasilianischer Vögel. < *J. f. O.*, 1853, i, pp. 161–177.  
Treats of 17 spp., exclusive of the *Trochilidae* mentioned, with extended descriptions of nests and eggs.
1853. MOSQUERA, T. C. DE. Memoir | on the | Physical and Political Geography | of | New Granada. | Dedicated to the American Geographical and Sta- | tistical Society of New York. | By General T. C. de Mosquera, | [etc., 5 lines.] | Translated from the Spanish by | Theodore Dwight. | New York: | Published by T. Dwight, 116 Broadway. | 1853. 1 vol. 8vo. pp. 105, map.  
I have not seen the original, 1852. In this version, under head of "Animals", occurs a nominal (Spanish and Latin) list of a few birds, not well determined, pp. 35–37. It is of no consequence.
1853. ROSENSCHÖLD, E. M. AF. Bref från Dr E. Munck af Rosenschöld i Paraguay. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1852, 1853*, pp. 174–176.
1853. SCLATER, P. L. Description de deux nouvelles espèces d'Oiseaux. < *Rev. et Mag. de Zool.*, v, 1853, p. 480.  
*Dacnis pulcherrima*, *Formicivora ornata*.
1853. WALLACE, A. R. A | Narrative of Travels | on the | Amazon and Rio Negro, | with an account | of the | Native Tribes, | and observations on the Climate, Geology, and Natural | History of the Amazon Valley. | By Alfred R. Wallace. | With a Map and Illustrations. | London: | Reeve and Co., Henrietta Street, Covent Garden. | 1853. 1 vol. 8vo. pp. viii, 542, with 18 pp. of advts., map, folding table, col'd frontisp., pll. vii, and other illust.  
Chap. XVI, Observations on the Zoology of the Amazon District, pp. 446–475; B. Birds, pp. 461–463: only mention of a few of the most interesting and beautiful. Cf. *Nat. Hist. Rev.*, i, 1854, pp. 117–121.
1854. ROSENSCHÖLD, E. M. AF. Bref från Paraguay. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1853, 1854*, pp. 102–114.
1854. SCLATER, P. L. On two [lately] new species of South American Birds. < *Ann. Mag. Nat. Hist.*, (2), xiv, 1854, p. 158.  
*Calicivora boliviana*, *Pipra flavo-tincta*. From *P. Z. S.*, Feb. 24, 1852.
1854. SCLATER, P. L. List of a Collection of Birds received by Mr. Gould, from the Province of Quijos in the Republic of Ecuador. < *P. Z. S.*, lxxii, 1854, pp. 109–115, pll. (Aves) lxvi, lxvii.  
69 spp., with critical annotation and synonymy and descriptions of some of them. *Galbula chalcothorax*, p. 110; *Tyrannula phanicura*, p. 113, pl. lxvi, f. 1; *Arremon spectabilis*, p. 114, pl. lxvii, spp. m.

1854. WALLACE, A. R. Habits of Birds. <Ann. Mag. Nat. Hist., (2), xiii, 1854, pp. 74, 75.

Editorial excerpt from his 'Travels on the Amazon and Rio Negro', 1853, q. v.

- [1854-56.] DESCOURTILZ, J. T. Ornithologie Brésilienne | ou | Histoire des Oiseaux du Brésil, | remarquables par leur plumage, leur chant ou leurs habitudes. | Par le Dr. J. T. Descourtilz, | Membre de la Société Linnéenne de Paris et de la Société auxiliaire de l'industrie de Rio de Janeiro. | [Dessin.] | Rio de Janeiro: | Éditeur, Thomas Reeves. | [1854-56.] 1 vol. gr. fol. (publ. par livr. i-iv). pp. 42, pll. lithochr. 48.

Contient les descriptions et les figures de 164 espèces diverses d'oiseaux du Brésil, accompagnées de quelques courts renseignements sur leurs habitudes, etc. On cite une traduction Anglaise sous le nom de "Brazilian Ornithology, or a History of the Birds of Brazil".

1855. BERNSEÉ, F. [Extract from a letter relating to various birds of the East Falkland Island.] <Proc. Acad. Nat. Sci. Phila., vii, 1855, pp. 257, 258.

Relates to *Bernicla*, 3 spp.; *Hæmatopus*, 2 spp.; and *Chionis alba*.

1855. BOECK, E. v. Vorläufige Bemerkungen über die Ornith. der Provinz Valdivia, in der Republik Chile. <Naumannia, 1855, pp. 494-513.

1855. CASSIN, J. The | U. S. Naval Astronomical Expedition | to | the Southern Hemisphere, | during | the years 1849-'50-'51-'52. | Lieut. J. M. Gilliss, Superintendent. | . . . | Vol. II. Washington. MDCCCLV. >Appendix F. Birds. By John Cassin. pp. 172-206, pll. (col'd) xiv-xxviii.

Systematic account, with miscellaneous field-notes, of 119 spp. of (chiefly? entirely?) South American birds. Pl. xiv, *Falco nigriceps*; xv, *Psaracollis* [sic] *curvus*; xvi, f. 1, *Agelaius thilius*; p. 2, *Sturnella militaris*; xvii, *Chrysomitris marginalis*; xviii, f. 1, *Calliste cyanicollis*; f. 2, *C. larvata*; xix, f. 1, *C. gyroloides*; f. 2, *C. desmaresti*; xx, f. 1, *Euphonia rufiventris*; f. 2, *Chlorophonia occipitalis*; xxi, f. 1, *Ericornis melanura*; f. 2, *Scytalopus fuscus*; xxii, *Psittacus ochrocephalus*; xxiii, *Branta antarctica*; xxiv, *Bernicla magellanica*; xxv, *Anas melanoccephala*; xxvi, *Querqu. creccoides*; xxvii, *Fuligula metopias*; xxviii, *Phalacrocorax brasilianus*.

1855. DES MURS, P. O. Oiseaux nouveaux ou rare recueillis dans l'Amérique du Sud, | par F. de Castejau, etc. Paris, 1855. 4to. 20 pll.

Not seen: title from a bookseller's catalogue. Compare 1856, same author.

1855. GOULD, J. Descriptions of Eight New Species of Birds from South America. <P. Z. S., xxiii, 1855, pp. 67-70, pl. (Aves) lxxxiii.

*Campylorhynchus hypostictus*, *Chamaea nobilis*, *Formicarius nigrifrons*, p. 68; *F. erythropterus*, *Schistochlamys speculiger*, *Thamnophilus corvinus*, *T. melanurus* (pl.), p. 69; *T. hyperythrus*, p. 70.

1855. GOULD, J. Descriptions of Eight [lately] New Species of Birds from South America. <Ann. Mag. Nat. Hist., (2), xv, 1855, pp. 343-346.

*Campylorhynchus hypostictus*, p. 343; *Chamaea nobilis*, *Formicarius nigrifrons*, p. 344; *F. erythropterus*, *Schistochlamys speculigera*, *Thamnophilus corvinus*, *T. melanurus*, p. 345; *T. hyperythrus*, p. 346.—From P. Z. S., 1855, pp. 67-70, pl. lxxxiii.

1855. GOULD, J. [Remarks on Exhibition of a portion of a collection of Birds formed by Mr. Hauxwell in the neighbourhood of the River Ucayali.] <P. Z. S., xxiii, 1855, pp. 77, 78.

1855. JARDINE, W. Contributions to Ornithology. I. Professor W. Jameson's Collections from the Eastern Cordillera of Ecuador. <Edinb. New Philos. Journ., new ser., ii, 1855, pp. 113-119.

Letters from W. Jameson. Field-notes on 10 spp. *Tanagara* [sic] *notabilis*, *Saltator arremonops*, p. 119, spp. "nn."

1855. PHILIPPI, R. A. Ueber einige Vögel Chile's. Briefliche Mittheilung an den Herausgeber. <Arch. f. Naturg., 1855. (1), pp. 9-14.

Behandelt vier Arten—*Phoenicopterus andinus*, sp. n., p. 12; *Ardea cocii*, *Xanthornus cayennensis*, *Circus macropterus*.

1855. SCLATER, P. L. List of a Collection of Birds received by Mr. Gould, from the Province of Quijos in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (2), xvi, 1855, pp. 279-285.

From P. Z. S., May 9, 1854, pp. 109-115, pll., q. v.

1855. SCLATER, P. L. Descriptions of some New Species of Birds from Santa Fé di Bogota. < *P. Z. S.* xxiii, 1855, pp. 109, 110, pll. (Aves) xcix-cii.  
*Nemosia albigularis*, pl. xcix; *Pyriglena ellisiana*, pl. c; *Anthus bogotensis*, pl. ci, p. 109; *Otocorys peregrina*, pl. cii, p. 110.
1855. SCLATER, P. L. On the Birds received in collections from Santa Fé di Bogota. < *P. Z. S.* xxiii, 1855, pp. 131-164, pll. (Aves) ciii, civ.  
 435 spp. briefly annotated. *Heteroenemis* (g. n.) *marginata*, p. 145; *Todirostrum gracilipes*, p. 149; *Calliste inornata* "Gould", p. 158, spp. nn.; pl. ciii. *Vireolanus heterophrys* Bp.; pl. civ. *Ampelis cinctus* (Tsch.).
- 1855-57. GUNDLACH, J., and CABANIS, J. Dr. J. Gundlach's Beiträge zur Ornithologie Cuba's. Nach Mittheilungen des Reisenden an Hr. Bez.-Dir. Seizekorn in Cassel; von Letzterem zusammengestellt. Mit Zusätzen und Anmerkungen geordnet vom Herausgeber. < *J. f. O.*, ii, 1854 (Extrah. 1855), pp. lxxvii-lxxxvii; iii, 1855, pp. 465-480; iv, 1856, pp. 1-16, 97-112, 337-352, 417-432; v, 1857, pp. 225-242.  
 An important review of the subject. This is the first of numerous articles upon Cuban birds, wholly or in part by Dr. Gundlach; it is chiefly to be regretted that in the beginning insufficient attention to precision of identification resulted in too many "additions and corrections". The present series constitutes a systematic synopsis of Cuban birds, the technicalities by Cabanis, the field-notes by Gundlach. *Hyponorophus guadalupe*, p. lxxx; *Phylloscopus barbatulus*, p. 467; *Mimus guadalupe*, p. 470; *Teretistris*, p. 475; *Melittarchus*, p. 478; *Contopus*, p. 479; *Blacus*, p. 480; *Aulanax*, p. 1; *Chordeiles minor*, p. 5; *Corvus minutus* Gundl., p. 97; *Geothlypis caniceps* Gundl., p. 110; *Perisoreus*, p. 111; *Oeniscus*, p. 343; *Tyrannus*, p. 418; *Notharchus holostictus*, p. 426; *Limnospiza*, p. 428; *Cercus*, p. 428, are new genus or spp., all but 2 by Cabanis; 251 spp. in all are treated. See especially *J. f. O.*, ix, 1861, pp. 491-416; x, 1862, pp. 81-96, 177-191.
1856. BURMEISTER, H. Systematische Uebersicht | der Thiere Brasiliens, | welche | während einer Reise durch die Provinzen von Rio de Janeiro und Minas geraes | sammelt und beobachtet | wurden | von | Dr. Hermann Burmeister, | o. ö. Prof. d. Zoologie und Direct. d. zool. Mus. der Universität zu Halle. | Zweiter Theil. | Vögel (Aves). | Erste [Zweite] Hälfte. | Berlin. 1856. | Druck und Verlag von Georg Reimer. 2 vols. 8vo. Vol. I, pp. x, 526 + 2. Vol. II, pp. xiv, 466.  
 Ornithology occupies the 2d and 3d vols. of this work (1st vol. Mammals, Berlin, 1854). It is an extensive and elaborate general treatise upon the subject.
1856. BURMEISTER, H. Erläuterungen zur Fauna Brasiliens, enthaltend Abbildungen und ausführliche Beschreibungen neuer oder ungenügend bekannter Thier-Arten. Von Dr. Herm. Burmeister. Berlin. 1856. Folio.  
 Not seen.
1856. DES MURS, P. O. Expédition dans les parties centrales de l'Amérique du Sud, de Rio Janeiro à Lima et de Lima au Para, etc. Par Fr. de Castelnau. Oiseaux, par P. O. Desmurs. 1856. 4to.  
 Not seen; title from Giebel. Compare 1853, same author.
1856. GOULD, J. Descriptions of Eight New Species of Birds from South America. < *Ann. Mag. Nat. Hist.*, (2), xvii, 1856, pp. 428-431.  
 From *P. Z. S.*, April 10, 1855.
1856. JARDINE, W. Contributions to Ornithology. No. II., Professor W. Jameson's Collections from the Eastern Cordillera of Ecuador continued.—Expedition from Quito to the Mountain Cayambe. < *Edinb. New Philos. Journ.*, new ser., iii, 1856, pp. 90-92, pl. iv.  
 Collector's notes of the locality. Writer's remarks on *Tetragynops ramphastinus* (pl. iv) and other birds.—*Arremon leucopterus*, n. s., p. 92.
1856. KINAHAN, [R. J.] Letter from Dr. Kinahan, dated Callao, August, 1855. < *Nat. Hist. Rev. (Pr. Soc.)*, iii, 1855, pp. 24-26.  
 Referring, among other things, to birds, especially Albatrosses.
1856. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Chordeiles, Swainson, and Polioptila. Selater. < *Ann. Lyc. Nat. Hist. New York*, vi, 1856, pp. 165-169.  
*Chordeiles guadalupe*, p. 165; *C. texensis*, p. 167; *Polioptila melanura*, p. 168.

1856. PELZELN, A. V. Ueber neue u. wenig bekannte Arten der kais. ornithologischen Sammlung nebst Auszügen aus J. Natterers handschriftlichen Katalog über die von ihm in Brasilien gesammelten Species der Familien Trogonidae und Alcedinidae. < *Sitz.-Berichte Königl. Akad. Wiss. Wien*, xx, 1856, pp. 492 —. Not seen.
1856. RAIMONDI, A. Mémoire sur le huano des îles de Chinchá et les oiseaux qui le produisent. < *Comp. Rend. de l'Acad. Sci. Paris*, xlii, 1856, pp. 735-738.
1856. RAIMONDI, A. [Résumé d'un mémoire sur le huano des îles de Chinchá et les oiseaux qui le produisent.] < *Rev. et Mag. de Zool.*, viii, 1856, pp. 190, 191.
1856. SCLATER, P. L. Descriptions of some [lately] New Species of Birds from Santa Fé di Bogota. < *Ann. Mag. Nat. Hist.*, (2), xviii, 1856, pp. 60, 61.  
From *P. Z. S.*, June 26, 1855, pp. 109, 110.
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1856. SCLATER, P. L. On some additional Species of Birds received in collections from Bogota. < *P. Z. S.*, xxiv, 1856, pp. 25-31, pll. (Aves) cxvi-cxix.  
*Synallaxis elegans*, p. 25; *S. merula*, p. 26; *Anabates erythropterus*, p. 27; *Margarornis brunescens*, p. 27, pl. cxvi; *Ochthoeca funicolor*, p. 28, pl. cxvii; *Euscarthmus agilis*, p. 28, pl. cxviii; *Pipra coracina*, p. 29; *Conopophaga cucullata*, p. 29, pl. cxix; *Chlorospingus xanthophrys*, *C. lichtensteini*, p. 30; *Gallinago nobilis*, *Rallus semiplumbeus*, p. 31, spp. nu.
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Of birds, 46 spp.—*Thamnophilus bridgesi*, p. 141; *Geotrygon chiriquensis*, p. 143, spp. nu.
1857. BONAPARTE, C. L. Catalogue méthodique accompagné de notes des Oiseaux recueillis à Cayenne par M. E. Desplanches, chirurgien de la marine impériale, pendant la première campagne de l'avis à vapeur, la Rapide, années 1854-1856. < *Bull. Soc. Linn. Normandie*, ii, 1857, pp. 29-40.  
Of this piece I have not seen the original, but a MS. copy made by S. F. Baird, Nov. 21-26, 1863. It is an annotated list of 130 spp., a few of which are described, the rest merely given by name. *Planchesia* Bp. (type *Muscicapa fuliginosa* Gm., *fusca* Bodd.: *P. E.* 574, f. 1), p. 36, g. n.
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1857. JARDINE, W. Contributions to Ornithology. No. IV. < *Edinb. New Philos. Journ.*, new ser., v, 1857, pp. 255-257.  
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1857. SCLATER, P. L. On some additional Species of Birds received in collections from Bogota. <Ann. Mag. Nat. Hist., (2), xix, 1857, pp. 85-92.  
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1857. SCLATER, P. L. On a [lately] new Genus of Birds from Mexico. <Ann. Mag. Nat. Hist., (2), xx, 1857, p. 470.  
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1857. SCLATER, P. L. On two [lately] new Species of Birds from Bogota. <Ann. Mag. Nat. Hist., (2), xx, 1857, p. 472.  
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1857. SCLATER, P. L. Further Additions to the List of Birds received in Collections from Bogota. <P. Z. S., xxv, 1857, pp. 15-20.  
52 spp., shortly annotated. *Anabates striaticollis*, *Sclerurus brunneus*, p. 17, spp. nn.
1857. SCLATER, P. L. On a Collection of Birds transmitted by Mr. H. W. Bates from the Upper Amazon. <P. Z. S., xxv, 1857, pp. 261-268.  
79 spp., with annotation. *Eubucco ancaticollis*, p. 267, sp. n., and synopsis of 7 spp. of that section of the genus *Bucco*. See 1863, and 1864, BATES, H. W.
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*Campylorhynchus pardus*, p. 271; *C. striaticollis*, p. 272; *Anabazenops guttulatus*, p. 272, pl. cxxx; *Synallaxis multistriata*, *Turdus fulviventris* Verr. MS., *T. ignobilis*, p. 273; *Cinclus leucostictus*, *Tyrannus atrifrons*, p. 274; *Melanoptila* (g. n.) *glabricestris*, p. 275, woodc.; *Lipaugus rufescens*, p. 276; *Tinamus castaneus*, p. 277.—Note that *Tyrannus atrifrons* Scl. = *Saurophaga bairdii* Gamb. = *Tyrannus bairdi* Scl.
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1857. DE VERTEUIL, L. A. A. Trinidad: | Its Geography, | Natural Resources, Administration, Present | Condition, and Prospects, | By | L. A. A. De Verteuil, M. D. P. | — | [Quotation, 3 lines.] | — | London: | Ward and Lock, 157, Fleet street. | — | 1857. 1 vol. 8vo. pp. i-xii, 1-507.  
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1857. GUNDLACH, J. Notes on some Cuban Birds, with Descriptions of three New Species. <Ann. Lye. Nat. Hist. New York, vi, 1857, pp. 267-275. (Read June 29, 1857.)  
*Colaptes chrysocavus*, *Culicivora humbeldti*, p. 273; *Troglodytes forsteri*, p. 275, spp. nn.
1857. LAWRENCE, G. N. Observations of the Preceding Paper [i. e., Notes on some Cuban Birds, with Descriptions of three New Species, by Gundlach]. <Ann. Lye. Nat. Hist. New York, vi, 1857, pp. 275-277. (Read June 29, 1857.)
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1857. SCLATER, P. L. Descriptions of Eleven [lately] New Species of Birds from Tropical America. <Ann. Mag. Nat. Hist., (3), i, 1857, pp. 302-308, figg.  
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1857. SCLATER, P. L. On [lately] new Species of Birds from the Rio Napo, in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (3), ii, 1857, pp. 144-150.  
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1857. SCLATER, P. L. On [lately] new Species of Birds from the Rio Napo, in the Republic of Ecuador. <Ann. Mag. Nat. Hist., (3), ii, 1857, p. 235.  
From P. Z. S., Jan. 26, 1858, pp. 50-77.



1858. SCLATER, P. L. Notes on a Collection of Birds received by M. Verreaux of Paris from the Rio Napo in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 59-77, pl. (Aves) cxxxii.

174 spp.—*Anabates melanopezus*, p. 61; *Anabates pulvericolor*. *Synallaxis brunneicaudalis*, p. 62; *S. albigularis*, p. 63; *Malcoccichla maculata*, p. 64; *Thamnophilus æthiops*, *T. capitalis*, p. 65; *Dysithamnus leucostictus*, *D. semicinctus*, p. 66; *Heterocnemis albigularis*, p. 67; *Conopophaga torrida*, *Grallaria flavirostris*, *G. fulviventris*, p. 68; *Agathopus* (n. g.) *micropterus*, p. 69; *Todirostrum plicatum*, *Cyclorhynchus æquinoctialis*, p. 70; *Platyrhynchus coronatus* "Verr.", *Elenia luteiventris*, p. 71; *Ceryropops* (n. g.) *verticalis* Verr., pl. cxxxii, f. 2; *Euchaetes* (g. n., "Verr.") *coccineus* "Verr.", p. 73, pl. cxxxii, f. 1; *Celeus verreauxi* "Malh.", p. 74, spp. nn.

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1858. SCLATER, P. L. Characters of Five New Species of [Central and South] American Birds. < *P. Z. S.*, xxvi, 1858, pp. 446-449.

*Euchloris frontalis*, p. 446; *Turdus leucauchen*, *Geothlypis speciosa*, p. 447; *Cyclorhis flavipectus*, *Cinclodus bifasciatus*, p. 448.

1858. SCLATER, P. L. List of Birds collected by Mr. Louis Fraser, at Cuenca, Gualaquiza and Zamora, in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 449-461, pl. (Aves) cxlv.

87 spp., with critical and field-notes.—*Conirostrum fraseri*, p. 452; *Phrygilus ocularis*, p. 454, pl. cxlv; *Synallaxis antesiensis*, p. 457; *Tyrannulus chrysops*, p. 458.

1858. SCLATER, P. L. On the Birds collected by Mr. Fraser in the vicinity of Riobamba, in the Republic of Ecuador. < *P. Z. S.*, xxvi, 1858, pp. 549-556, pl. (Aves) cxlvi.

59 spp., with collector's and author's notes.—*Troglodytes solstitialis*, p. 550; *Catamenia homochroa*, p. 552; *Agriornis solitaria*, p. 553; *Elania grisæigularis*, pl. cxlvi, f. 1; *E. stictoptera*, pl. cxlvi, f. 2, p. 554, spp. nn.

1859. CASSIN, J. La Plata, | the Argentine Confederation, | and Paraguay. | Being a Narrative of the Exploration of the Tributaries of the | River La Plata and Adjacent Countries during the years | 1853, '54, '55, and '56, | under the orders of the United States Government. | By Thomas J. Page, U. S. N., | Commander of the Expedition. | With Map and Numerous Engravings. | New York: Harper & Brothers, Publishers, | Franklin Square. | 1859. 1 vol. 8vo. pp. i-xxii, 23-632, map and engs. > App. J. Notes on the Birds collected by the La Plata Expedition. By John Cassin. pp. 599-602.

Merely a list of the species collected, with a slight commentary of general character.

1859. EDITORIAL. [Letter from Mr. Fraser at Nanegal, Pichincha, relating to various birds.] < *Ibis*, i, 1859, pp. 208.

1859. EDITORIAL. [Correspondence from Mr. Fraser, in Ecuador.] < *Ibis*, i, 1859, pp. 332, 333.

1859. EDITORIAL. [Correspondence from O. Salvin, en route to Guatemala.] < *Ibis*, i, 1859, pp. 333, 334.

1859. EDITORIAL. [Annotated extracts of letters from Fraser, at Quito and Babahoyo, June and July.] < *Ibis*, i, 1859, pp. 462-464.

1859. EDITORIAL. [Extracts from a letter of O. Salvin, en route to, and in, Guatemala.] < *Ibis*, i, 1859, pp. 466-469.

1859. GOULD, J. List of Birds from the Falkland Islands, with Descriptions of the Eggs of some of the Species, from specimens collected principally by Captain C. C. Abbott, of the Falkland Islands Detachment. < *P. Z. S.*, xxvii, 1859, pp. 93-95.

38 spp.—*Gavia roseirentis*, p. 97, sp. n.

1859. GUNDLACH, J. Ornithologisches aus Briefen von Cuba. < *J. f. O.*, 1859, vii, pp. 294-299, 347-351.

Desultory notes on various species, in continuation of his previous more formal papers on the same subject in the same journal.

1859. MOORE, T. J. List of Mammals and Birds collected by Mr. Joseph Leyland in Honduras, Belize, and Guatemala. < *P. Z. S.*, xxvii, 1859, pp. 50-65, pl. (Aves) cl. cli.

125 spp. of birds, with brief field-notes.—*Ortyx leylandi*, p. 62, sp. n.

1859. NEWTON, A., and NEWTON, E. Observations on the Birds of St. Croix, West Indies, made, between February 20th and August 6th 1857 by Alfred Newton, and, between March 4th and September 25th 1858 by Edward Newton. (Part I [-IV].) < *Ibis*, i, 1859, pp. 59-69, 138-150, 252-264, 365-379, pl. i, xii.

Opens with sketch of the locality; finishes with sketch of the literature of the subject. Critical, descriptive, and field-notes on 64 spp., some of which are queried or left undetermined, and many bibliographical references. Woodcut of trachea of *Dendrocygna arborea*. Eight spp. of eggs figured on pl. xii. *Gymnoglauz nudipes*, pl. i.

1859. OSBURN, W. Notes on the Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6368-6373.

"Contains graphic pictures of Jamaican Ornithology."

1859. OSBURN, W. Notes on the Bats and Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6587-6594.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6658-6665.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6709-6721.

1859. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xvii, 1859, pp. 6753-6761.

These notes continued in same journal for 1860, *q. v.*

1859. SAGRA, RAMON DE LA. Énumération des espèces zoologiques et botaniques de l'île de Cuba utiles à acclimer dans autres régions analogues du globe. < *Bull. Soc. Acclim.*, vi, 1859, pp. 169-184.

Oiseaux, pp. 178-181.

1859. SCLATER, P. L. Characters of Five [lately] New Species of American Birds. < *Ann. Mag. Nat. Hist.*, (3), iii, 1859, pp. 443-446.

From *P. Z. S.*, Nov. 9, 1858, pp. 446-449.

1859. SCLATER, P. L. List of the First Collection of Birds made by Mr. Louis Fraser at Pallatanga, Ecuador, with Notes and Descriptions of New Species. < *P. Z. S.*, xxvii, 1859, pp. 135-147, pl. (Aves) cliv.

102 spp.—*Vireo josephæ*, p. 137, pl. cliv; *Nemosia ornata*, p. 138; *Anabates subularis*, *A. temporalis*, *Dysithamnus unicolor*, p. 141; *Formicivora caloptera*, *Pachyrhamphus homochrous*, *Cephalopterus penduliger*, p. 142, spp. nn.

1859. SCLATER, P. L. On some new or little-known Birds from the Rio Napo. < *P. Z. S.*, xxvii, 1859, pp. 440, 441.

9 spp.—*Buarremon castanceiceps*, *Grallaria nuchalis*, p. 441, spp. nn.

1859. SCLATER, P. L., and SALVIN, O. On the Ornithology of Central America. Part I [-III]. < *Ibis*, i, 1859, pp. 1-22, 117-138, 213-234, pl. iv, v.

Sketch of literature of the subject; 382 spp. with field-notes, mainly from Mr. Salvin's personal observations, and some synonymy. *Cistothorus elegans*, p. 8; *Coccyzus lucida*, p. 14; *Xiphocolaptes elegans*, p. 118; *Sayornis aquatica*, p. 119; *Empidonax albigularis*, p. 122; *Elania villsina*, p. 122, pl. 4, f. 1; *E. placens*, p. 123, pl. 4, f. 2. Various eggs figured at pl. 5. Several species are left undetermined. Cf. *Ibis*, 1866, pp. 188-206.

1860. BREWER, T. M. [List of the Birds of Cuba, compiled from two lists furnished by Dr. Gundlach, of Havana.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 305-308.

Nominal list of 250 spp.

- \* 1860. BRYANT, H. [Notes on two Birds from Bogota.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 226, 227.

*Turdus minivus* Lafr.: *Vireo bogotensis*, sp. n., p. 227.

1860. BURMEISTER, H. Systematisches Verzeichniss der in den La Plata-Staaten beobachteten Vögelarten. < *J. f. O.*, viii, 1860, pp. 241-268.

261 spp.: the list shortly annotated and with a few references.

1860. CASSIN, J. Catalogue of Birds collected during a survey of a route for a Ship Canal across, the Isthmus of Darien, by order of the Government of the United States, made by Lieut. N. Michler, of the U. S. Topographical Engineers, with notes and descriptions of new species. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 132-144, 188-197.  
144 spp.—*Monasa pallascens*, p. 134 (with synop. of 6 spp. of *Monasa*); *Celeus mentalis*, p. 137; *Orthogonyx olivaceus*. *Pittasoma* (g. n.) *nichleri*, p. 189; *Dendroica vieillotii*, p. 192 (with synop. of 5 allied spp.). spp. nn.
1860. CASSIN, J. Catalogue of Birds from the Island of St. Thomas, West Indies, collected and presented to the Academy of Natural Sciences by Mr. Robert Swift. With Notes. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 374-379.  
27 spp., annotated.
1860. EDITORIAL. [Notice of Mr. Fraser's Movements and Operations.] < *Ibis*, ii, 1860, pp. 192, 193.
1860. FRAUENFELD, G. v. Ueber den Aufenthalt in Valparaiso und die Ausflüge daselbst, während der Weltfahrt der k. k. Fregatte Novara. < *Verh. (Abhandl.) k. k. zool.-bot. Ges. Wien*, x, 1860, pp. 635.  
Grössten Theils ornithologischen Inhalts.
1860. GERMAIN, M. F. Notes upon the Mode and Place of Nidification of some [69 spp.] of the Birds of Chili. < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, pp. 308-316.
1860. GODET, T. L. Bermuda: | its History, Geology, Climate, Products, | Agriculture, Commerce, and Government | from the earliest period to the present time; | with hints to invalids. | By Theodore L. Godet, M. D. | London: | Smith, Elder and Co., 65, Cornhill. | — | M.DCCC.LX. 1 vol. 8vo. > Chap. XIII, pp. 193-198.  
Treats of a very few spp., with running commentary.
1860. LAWRENCE, G. N. Description of a New Species of Bird of the Genus Phaeton, also of a New Species of Humming Bird of the Genus Heliopaedica. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 142-145.  
*Ph. flavo-aurantius*, p. 142; *H. castanocauda*, p. 145.
1860. LAWRENCE, G. N. Notes on some Cuban Birds, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 247-275.  
27 spp. critically treated; many observations of Dr. J. Gundlach's. *Accipiter gundlachi*, p. 252; *Antrostomus cubanensis*, p. 260, spp. nn.
1860. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Myiarchus and Philopopsis. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 284-286.  
*M. Panamensis*, p. 284; *Ph. McLeannani*, p. 285.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6833-6841.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6873-6880.
1860. OSBURN, W. Notes on the Mountain Birds of Jamaica. < *Zoologist*, xviii, 1860, pp. 6925-6934.  
Continued from same journal for 1859, q. v.
1860. PHILIPPI, R. A. Ueber zwei vermutlichlich neue Chilenischen Enten und über *Fringilla barbata* Mol. < *Arch. f. Naturg.*, 1860, (1), pp. 24-28.  
*Anas iopareia*, p. 24. *Erismatura vittata*, p. 26. Synonymik von *Chrysomitris barbata*.
1860. PHILIPPI, R. A., and LANDBECK, L. Beschreibung zweier neuen Chilenischen Vögel aus den Geschlechtern Procellaria und Caprimulgus. < *Arch. f. Naturg.*, 1860, (1), pp. 279-284.  
*Caprimulgus andinus*, p. 279; *Thalassidroma segethi*, p. 282.
1860. SALVIN, O. [Editorial Extracts from Letters from Dueñas, Guatemala, Aug. 30 and Oct. 25, 1859.] < *Ibis*, ii, 1860, pp. 99-101.

1860. SALVIN, O. [Letters from Vera Paz, relating to various Birds, with a comparative list of the Trochilidae of Dueñas and Coban.] < *Ibis*, ii, 1860, pp. 193-197.
1860. SALVIN, O., and SCLATER, P. L. Contributions to the Ornithology of Guatemala. < *Ibis*, ii, 1860, pp. 23-45, pl. iii, pp. 272-275, 396-402, pl. xiii.  
80 + 39 + 52 = 171 spp. The first article contains species not mentioned in the authors' paper on the same subject in *Ibis*, vol. i, 1859, with the whole of Salvin's field-notes on his first collection; the second, 39 more new to the fauna of the country; the third, 52 more, both with Salvin's field-notes. *Thryothorus pleurostictus*, p. 30; *Elania subopana*, p. 36; *Malacoptila ceratopis*, p. 40; *Chrysotis guatemalæ* "Harl.", p. 46, spp. nn. The pls. represent *Chaturura rutila* and *Pionus haematotis*. Cf. *Ibis*, 1866, pp. 188-206.
1860. SCLATER, P. L. Descriptions of [lately] New Species of Birds collected by Mr. Louis Fraser at Pallatanga, Ecuador. < *Ann. Mag. Nat. Hist.*, (3), v, 1860, pp. 427-430.  
From *P. Z. S.*, April 12, 1859, pp. 135-147, q. v.
1860. SCLATER, P. L. On two [lately] new Birds from the Rio Napo. < *Ann. Mag. Nat. Hist.*, (3), v, 1860, p. 495.  
From *P. Z. S.*, Nov. 22, 1859, pp. 440, 441, q. v.
1860. SCLATER, P. L. On the Eggs of Two Raptorial Birds from the Falkland Islands. < *Ibis*, ii, 1860, pp. 24-25, pl. i.  
Pl. i. fig. 1, *Milvago australis*; fig. 2, *Cathartes* sp., wrongly identified as *Milvago australis*; fig. 3, *Buteo erythronotus*.
1860. SCLATER, P. L. List of Additional Species of Birds collected by Mr. Louis Fraser at Pallatanga, Ecuador; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 63-73.  
64 spp.—*Thryothorus mystacalis*, p. 64; *Grallaria erythrops*, *G. regulus*, p. 66; *Myiarchus nigricaps*, *Platyrhynchus alboocularis*, *Eupsilostoma pusillum*, p. 68; *Tyrannulus flavifrons*, *T. cinereiceps*, p. 69, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser in the vicinity of Quito, and during excursions to Pichincha and Chimborazo; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 73-83, pl. (Aves) clix.  
52 spp.—*Thryothorus cophrys*, p. 74; *Oreomanes* (n. g.) *fraseri*, p. 75, fig. pl. clix; *Cinclodes excelsior*, *C. albidiventer*, p. 77; *Agriornis andicola*, p. 78; *Attagis chimborazensis*, p. 82, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser in Ecuador, at Nanegal, Calacali, Perucho, and Puellaro; with Notes and Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 83-97, pl. (Aves) clx.  
130 spp.—*Thryothorus nigricapillus*, *Basileuterus semicervinus*, p. 84; *Oryzoborus athiops*, p. 88; *Pipreola juvena*, p. 89; *Pipra delicosa*, p. 90, figs.; *Masius corniculatus*, p. 91; *Cyclorhynchus fulvipes*, p. 92; *Myiobius villosus*, p. 93, spp. nn.
1860. SCLATER, P. L. [Announcement of the arrival of some Mammals and Birds from British Honduras.] < *P. Z. S.*, xxviii, 1860, p. 206.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser at Babahoyo in Ecuador, with Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 272-290, pl. (Aves) cxliv.  
134 spp.—*Geothlypis semiflava*, p. 273; *Cyclohis riciniceps* (pl. cxliv), *Saltator flavidicollis*, p. 272; *Emberagra chrysomus*, p. 275; *Spermophila ophthalmica*, *Oryzoborus occidentalis*, *Cassidix floricensis*, p. 276; *Xiphorhynchus thoracicus*, p. 277; *X. pusillus* (ex Nova Granada), p. 278; *Formicivora eusobrina*, *Coccothraupis maculosa*, *Pachyrhamphus podiceps*, p. 279; *Attila torridus*, *Floricola atripennis*, p. 280; *Megarhynchus chrysocaster*, *Tyrannus niveipennis*, *Myiarchus phaeocephalus*, p. 281; *Cyclorhynchus subbrunneus*, *Muscivora occidentalis*, p. 282; *Bucco leucocrissus*, p. 284; *Dryocopus fuscipennis*, p. 286, spp. nn.
1860. SCLATER, P. L. List of Birds collected by Mr. Fraser at Esmeraldas, Ecuador, with Descriptions of New Species. < *P. Z. S.*, xxviii, 1860, pp. 291-298.  
93 spp.—*Cyphorinus phaeocephalus*, p. 291, sp. n.
1860. SCLATER, P. L. Catalogue of Birds of the Falkland Islands. < *P. Z. S.*, xxviii, 1860, pp. 322-391, pl. (Aves) clxxiii. (Cf. op. cit., 1861, p. 45; 1864, p. 73.)  
57 spp., with brief field notes. *Chlorophaga rubriceps*, p. 387, pl. clxxiii, sp. n.

1860. SCLATER, P. L. Characters of Ten New Species of American Birds. <P. Z. S., xxviii, 1860, pp. 461-467.  
*Campylorhynchus nigriceps*, p. 461; *C. gularis*, *Vireo modestus*, p. 462; *Vireosylva cobanensis*, p. 463; *Migobius flavicans*, *M. pulcher*, *M. erythropterus*, p. 464; *M. cryptozanthus*, p. 465; *Heteropelina amazonum*, *H. flavicapillum*, p. 466. The article includes synopses of the species of *Migobius* and *Heteropelina*.
1860. SCLATER, P. L., and SALVIN, O. Characters of Eleven [lately] New Species of Birds discovered by Osbert Salvin in Guatemala. <Ann. Mag. Nat. Hist., (3), vi, 1860, pp. 215-217.  
 From P. Z. S., May 22, 1860, pp. 298-301.
1860. SCLATER, P. L., and SALVIN, O. Characters of Eleven New Species of Birds discovered by Osbert Salvin in Guatemala. <P. Z. S., xxviii, 1860, pp. 298-301.  
*Poliophtila albiloris*, *Dendroeca chrysoparia*, p. 298; *Hylophilus cinereiceps*, *Glyphorhynchus pectoralis*, *Thamnistes anabatius*, *Platyrhynchus canerominus*, p. 299; *Tyrannulus semiflavus*, *Heteropelma verapacis*, *Lipaugus holerythrus*, *Pionus haematotis*, *Corethrura rubra*, p. 300.
1860. TAYLOR, G. C. On Birds collected or observed in the Republic of Honduras, with a short Account of a Journey across that country from the Pacific to the Atlantic Ocean. <Ibis, ii, 1860, pp. 10-24, 110-122, 222-228, 311-317.  
 Description of the region and field-notes on 96 spp.
1861. ABBOTT, C. C. [Field-] Notes on the Birds [66 spp.] of the Falkland Islands. <Ibis, iii, 1861, pp. 149-167.  
 Cf. P. Z. S., 1860, p. 382, and Feb. 12, 1861, p. 45; also, *Ibis*, 1860, p. 336.
1861. ALBRECHT, R. Zur Ornithologie Cuba's. Nach Geo. N. Lawrence und J. Gundlach mitgetheilt. <J. f. O., 1861, ix, pp. 193-215.  
 Ann. Lyc. Nat. Hist. N. Y., passim, 1855-60. 28 spp.
1861. BOLLE, C. Guano-Gewinnung auf den Chinha-Inseln. <J. f. O., ix, 1861, pp. 357-390.  
 Aus Cuzco und Lima von Clements Markham, London, 1856.
1861. BURMEISTER, H. Reise durch die La Plata-Staaten, mit besonderer Rücksicht auf die physische Beschaffenheit und den Culturzustand der Argentinischen Republik. Ausgeführt in den Jahren 1857-61. Zweiter Band. Halle, 1861.  
 Not seen. Said to contain lists of mammals, birds, etc. Cf. *Ibis*, 1863, pp. 357, 358; *J. f. O.*, viii, 1860, pp. 241-268.
1861. EDITORIAL. [Notes on some birds of the Falkland Islands.] <Ibis, iii, 1861, p. 312.
1861. GUNDLACH, J. Tabellarische Uebersicht aller bisher auf Cuba beobachteten Vögel. <J. f. O., 1861, ix, pp. 321-349.  
 With tabular statement of periods of migration and breeding, comparative abundance or scarcity, and general geographical distribution, in seven categories. 249 spp.
1861. LAWRENCE, G. N. Descriptions of three new new species of Birds [from Middle America]. <Ann. Lyc. Nat. Hist. New York, vii, 1861, pp. 303-305.  
*Grallaria perspicillata*, p. 303; *Poliophtila superciliaris*, p. 304; *Chlorostilbon nitens*, p. 305.
1861. OWEN, ROBERT. On the Nesting of some Guatemalan Birds. With remarks by Osbert Salvin, . . . <Ibis, iii, 1861, pp. 58-69, pl. ii.  
 23 spp. Field-notes; desc. of nests and eggs by O. Salvin; 5 spp. eggs figured on pl. ii.
1861. PHILIPPI, [R. A.], and LANDBECK, [L.] Descripcion. De algunas especies nuevas de pájaros [chilenos]. <Anal. Univ. Chile, xviii, 1861, pp. 731-734.  
*Upuerchia albiventris*, p. 731; *Larus frobenii*, p. 732; *L. cinereus caudatus*, p. 733.—These three species are also described in *Arch. für Naturg.* of same year.
1861. PHILIPPI, [R. A.], and LANDBECK, [L.] Descripcion de unas nueve especies de pájaros peruanos del Musco Nacional. <Anal. Univ. Chile, xix, Nov., 1861, pp. 609-622.  
*Synallaxis striata*, p. 609; *Chlorospiza erythronota*, p. 610; *Pitylus albociliaris*, p. 611; *Sterna lorata*, p. 612; *S. Trobeni* [sic!], p. 613 (commonly quoted *frobenii* or *frobeni*) ("fue muerta en setiembre de 1851 por el finado Troben"); *S. comata*, p. 614; *Leistes albipes*, p. 616; *Recurvirostra andina*, p. 618; *Dasycephala albicauda*, p. 618.—Cuatro especies del género *Pepoaza* d'Orb.,—*livida*, *andecola*, *montana*, *maritima*.—Noticias sobre el modo de vivir de las dos especies chilenas de *Dasycephala*.

1861. PHILIPPI, R. A., and LANDBECK, L. Neue Wirbelthiere von Chile. <Arch. f. Naturg., (1), 1861, pp. 290-301.

R. Aves: *Upuercitia albiventeris*, p. 290; *Larus frobenii*, p. 292; *L. cinereo-caudatus*, p. 293.

1861. SALLÉ, A. Liste d'Oiseaux | a vendre | provenant des chasses faites en Amérique | par M. Auguste Sallé, | Rue Guy-de-la-Brosse, 13, a Paris. | Paris, mars 1861 | 2vo pamph. pp. 7.

Ces oiseaux sont en peaux bien préparées; ils ont été mentionnés par Bonaparte dans les *Compt. Rend.*, et ils ont aussi fourni la matière de plusieurs articles publiés par Selater dans les *P. Z. S.*, 1856, '57, '58, '59 et '60. Ils proviennent du Mexique, de l'île de St. Domingue, de la Vénézuëla et de l'Amérique du Nord.

1861. SALVIN, O. A List of [25] Species to be added to the Ornithology of Central America. <*Ibis*, iii, 1861, pp. 351-357.

Cf. same author's and P. L. Selater's several articles on same subject in same journal, previous numbers. Cf. *Ibis*, 1866, pp. 188-206.

1861. SALVIN, O. Descriptions of three new species of Birds from Guatemala. <*P. Z. S.*, xxxix, 1861, pp. 202, 203.

*Cyphorinus philomela*, *Embernagra chloronota*, p. 202; *Aphantochroa roberti*, p. 203.

1861. SALVIN, O. Descriptions of three [lately] new species of Birds from Guatemala. <*Ann. Mag. Nat. Hist.*, (3), viii, 1861, pp. 334, 335.

From *P. Z. S.*, May 14, 1861, pp. 202, 203, q. v.

1861. SCLATER, P. L. Characters of Eight [lately] New Species of American Birds. <*Ann. Mag. Nat. Hist.*, (3), vii, 1861, pp. 327-330.

From *P. Z. S.*, Dec. 11, 1859.

1861. SCLATER, P. L. Additions and Corrections to the List of the Birds of the Falkland Islands [in *P. Z. S.*, 1859, pp. 382-391]. <*P. Z. S.*, xxxix, 1861, pp. 45-47. (See *P. Z. S.*, 1854, p. 73.)

11 spp. List of 8 spp. of Falkland *Spheniscidae*.

1861. SCLATER, P. L. List of a Collection of Birds made by the late Mr. Osburn in Jamaica, with notes. <*P. Z. S.*, xxxix, 1861, pp. 69-82, pl. xiv and woodcut. 92 spp.—*Lalestes osburni*, n. sp. n., p. 72, pl. xiv, f. 2; *Siphonarchis*, g. n., p. 77; *Elania fallax*, sp. n., p. 76.

- 1861-62. GUNDLACH, J. Zusätze und Berichtigungen zu den „Beiträgen zur Ornithologie Cuba's". (In den früheren Jahrgängen dieses Journals.) <*J. f. O.*, ix, 1861, pp. 401-416; x, 1862, pp. 51-96, 177-191.

Reviews a large number of his species, mainly upon information acquired through Baird, Cassin and Lawrence's *Birds of North America*. In using Dr. Gundlach's work, it is essential to consult this article in connection with the previous ones. See 1855-57, GUNDLACH, J.

- 1861-62. SCLATER, P. L. Catalogue | of | a Collection | of | American Birds | belonging to | Philip Lutley Selater, M. A., Ph. D., F. R. S., | Fellow of Corpus Christi College, Oxford: | Secretary to the Zoological Society of London; | Editor of "The Ibis," | [Vignette. Motto.] | London: | N. Trübner and Co., Paternoster Row, | [1861.] 1862. 1 vol. 2vo. pp. xvi, 338, with or without pll. xx.

The collection consisted of about 2,100 specimens of 2,170 species of American *Passeres*, *Fissirostris*, and *Scolopacidae*, 386 being type-specimens. The text consists of a copious synonymy, with enumeration of specimens of each species by locality whence procured, and some little running commentary in footnotes.

*Phoenicotheraps erythrodonia* Bp., p. 83; *Tachyploceus cristatellus*, p. 85; *Paroaria erythrodonia*, p. 108; *Chrysomitris uropygialis*, p. 125; *Icterus gundlachi*, p. 131; *Quiscalus agoutioides*, p. 140; *Q. assimilis*, p. 141; *Glyphorhynchus major*, p. 161; *Thamophilus streperus*, p. 173; *Pachyrhynchus cinereiventris*, p. 242; *P. dorsalis*, p. 243; *Monacus serripennis*, p. 261; *Bucco uropygialis*, p. 269; *Chelidoptera brasiliensis*, p. 275; *Chloroceryx molleholii*, p. 338; *Conurus propinquus*, p. 346, are spp. n. indicated in footnotes. *Myiobas*, g. n., p. 321, and probably some other generic names, are here used for the first time without particular notice of the fact. A list of the author's publications from 1850 to 1861 inclusive, 165 in number, is appended.

The completed vol. dates 1862, but some copies of the sheets were distributed as printed; date of printing is on each signature, according to which the first twelve (to p. 192) appeared in 1861, the rest in 1862. The book is found with or without the plates; perfect copies, with the plates, are scarce. These are as follows:—Pl. I. *Turdus pinicola*. II. *Chlorus leucocatus*. III. *Campylorhynchus pusillus*. IV. *Thermophilus pleurostictus*. V. *Hylophilus ochraceiceps*.

## 1861-62. SCLATER, P. L.—Continued.

VI, *Diglossa indigitoria*. VII, *Duenis erygia*. VIII, *D. pulcherrima*. IX *Calliste cyanotis*. X, *Chlorospingus castaneicollis*. XI, *Embernagra chrysoma*. XII, *Scelerus mexicanus*. XIII, *Synallaxis castanea*. XIV, *Anabazenops subularis*. XV, *Mymothera ornata*. XVI *Per. microrha boucardi*. XVII, *Platychychnus coronatus*. XVIII, f. 1, *Oncostoma cinereipularis*; f. 2, *Todirostrum schistaceiceps*. XIX, *Mastus corniculatus*. XX, *Chiroziphia regia*.

1861-63. LAWRENCE, G. N. Catalogue of a Collection of Birds, made in New Grenada, by James McLeannan, Esq., of New York, with Notes and Descriptions of New Species. Part I. < *Ann. Lye. Nat. Hist. New York*, vii, 1861, pp. 288-302 (Jan., 1861); Part II, pp. 315-334 (June, 1861); Part III, pp. 361-479 (Feb., 1862); Part IV, viii, pp. 1-13 (May, 1863).

I. *Leucopetrus semipalmatus*, p. 288; *Chlorostilbon assimilis*, p. 292; *Tachygramphus cinnamomeus*, p. 295; *Tachyphonus cassini*, p. 297; *Capito maculicoronatus*, p. 300; *Corothera albigularis*, p. 302. II. *Thryothorus galbraithii*, p. 320; *Th. castaneus*, p. 321; *Hylophilus pusillus*, p. 323. II. *aurantiifrons*, p. 324; *II. viridigularis*, p. 324; *Myiarchus brunneiceps*, p. 327. III. *Sturnella lineatum*, p. 462; *Trogon carolinensis*, p. 463; *Duenis venusta*, p. 464; *Automolus pallidularis*, p. 465; *Dendrocincla olivacea*, p. 466; *Dendrocincla lachrymosus*, p. 467; *Myrmotherula fulviventris*, p. 468; *Ramphoceros semitorquatus*, p. 469; *Myrmeciza ferruginea*, p. 470; *Turdus obsolatus*, p. 470; *Attila sclateri*, p. 470; *Empidonax griseigularis*, p. 471; *Leptopogon flaviventris*, p. 472; *Pittoritus subcaeruleus*, p. 475; *Pionus caeruleicollaris*, p. 475; *Chloronectes callopterus*, p. 476. IV. *Petrochelidon albilinea*, p. 2; *Cyphorinus lawrencii* Sel. MS., p. 5; *Pithys bicolor*, p. 6; *Rhyacoceros flavo-olivaceus*, p. 8; *Lipaugus albigriscus*, p. 9; *Spermophila semicollaris*, p. 10; *Spermophila schistacea*, p. 10, spp. nu. 415 spp. (as numbered, but some of the Nos. duplicated) treated, with various critical notes, besides the descriptions of new species. The reception of collections at different times causes the several lists to be successive additions, and gives occasion for some rectifications in later lists of earlier identifications. The sequence of the species is systematic in each of the four lists, but not continuously so throughout the whole.

1861-69. CABANIS, J. Uebersicht der im Berliner Museum befindlichen Vögel von Costa Rica. < *J. f. O.*, viii, 1860, pp. 321-336 (pub. Jan., 1861), 401-416 (pub. May, 1861); ix, 1861, pp. 1-11, 81-96, 241-256; x, 1862, pp. 161-176, 321-336; xvii, 1869, pp. 204-213.

None published till Jan., 1861, though the first two portions appear in the Nos. for Sept.-Nov., 1860, based on the investigations of Drs. v. Frantzius, Hoffmann, and Ellendorf. This important systematic review of Costa Rican birds is full of critical matter, and gives many new generic and specific names, as follows:—

*Pezopetes*, p. 415; *Amaturospiza*, p. 3; *Calliépiza* (pro *Calliste*), p. 87; *Aerocompsa*, p. 88; *Panterpe*, p. 164; *Ceophorus*, p. 176, gen. n.

[Jan., 1861] *Catharus frontii*, *Turdus phoebeus*, p. 323; *T. nigrescens*, p. 324; *Rhinamphus ruficeps*, p. 326; *Compsothlypis gutturalis*, p. 329; *Triglyptidula callophrys*, p. 331; *Phoeniceus luteicapilla*, p. 332; *P. gracilis*, p. 333; *P. humilis*, p. 334; *P. gnatho*, p. 335; *P. satucata*, p. 336. [May, 1861] *Polioptila* — (not named), p. 401; *Ptilogenys curvatus*, p. 402; *Cyclorchis subflavescens*, p. 405; *Troglodytes intermedius*, p. 407; *Thryothorus modestus*, p. 409; *Diglossa plumbea*, p. 411; *Melospiza leucotis*, p. 413; *Pezopetes capitalis*, p. 415. [1861] *Amaturospiza encaelor*, p. 3 (*Cyanospiza minor*, p. 4); *Spermophila leucopsis*, *S. ochropgna* (Licht., Mus. Ber.), p. 5; *S. hoffmanni*, p. 6 (*Lamprosars varezwiezi*, p. 83); *Phoeniceothraupis fuscicauda*, p. 86; *Calliépiza frontii*, p. 87; *Atticora cyanophæa*, p. 92; *Myrmornis hoffmanni*, p. 95; *Thamnophtilus punctatus*, p. 241; *Thripobrotus compressus*, p. 243; *Myiarchus nigricapillus*, p. 250. [1862] *Hemitithys hoffmanni*, p. 163; *Panterpe insignis*, p. 164; *Chlorodampus satrini*, p. 164; *Mala captula costaricensis*, p. 172; *Trogon tenellus*, p. 173; *Chloronectes uropygialis*, p. 321; *Centurus hoffmanni*, p. 322 (*C. polygrammus*, p. 326). *Ramphastos approximans*, p. 333, spp. nu.

Synopsis of 6 spp. of *Puerhloerax*, 4 spp. of *Chloronectes*, 10 spp. of *Centurus*, and various less formal special criticisms.

[1869] This portion treats of 8 spp. of *Glauclidium* and of various *Raptatoris* and other birds. *Asturina polionota*, p. 208; *Oreolula frontii*, p. 211; *Crypturus modestus*, p. 212, spp. nu.

1862. ALBRECHT, R. Zur Ornithologie von Jamaica. Nach Osborn, Sclater und Gosse zusammengestellt. < *J. f. O.*, x, 1862, pp. 192-207.

Compilation from the sources named. 191 spp.

1862. EDITORIAL. [O. Salvin's and F. Godman's Operations in Guatemala.] < *Ibis*, iv, 1862, p. 195.1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds [of Middle America], of the Families Charadriidae [sic], Trochilidae, and Caprimulgidae. < *Ann. Lye. Nat. Hist. New York*, vii, 1862, pp. 455-460.

*Aegialitis tenuirostris*, p. 455; *Thalassidroma luciae*, p. 456; *Chlorostilbon insularis*, p. 457; *Trochilus auripularis*, p. 458; *Sapphirina luminosa*, p. 458; *Stenopsis moultoni*, p. 459.

1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds from the Isthmus of Panama. < *Ibis*, iv, 1862, pp. 10-13.  
*Helodytes albo-brunneus*, p. 10; *Pitangus alborittatus*, *Myiozetetes granadensis*, p. 11; *Todirostrum olivaceum*, *Tyranniscus parvus*, *Tyrannulus brunneicapillus*, p. 12.
1862. SALLÉ, A., and PARZUDAKI, E. N° 2. Avril 1862. [Catalogue] des [Oiseaux du Mexique] composant [les collections de M. A. Sallé, [Rue Guy-de-la-Brosse, 13, a Paris, [et] de M. E. Parzudaki, Rue du Bouloi, 2. | — | [Paris: Impr. de Mme. Ve. Bouchard-Huzard, Rue de l'Éperon, 5. 1862.] 8vo. pp. 7.  
 Ces oiseaux sont en peaux bien préparées et ont été mentionnés par Bonaparte dans les *Comptes Rendus* de l'Institut: ils ont aussi fourni la matière de plusieurs notices publiées par Sclater dans les *P. Z. S.*, 1856-1860.
1862. SALVIN, O. [Letter on Birds from Dueñas, Guatemala.] < *Ibis*, iv, 1862, p. 26.
1862. SCLATER, P. L. On some Birds recently Collected by M. Boucard in Southern Mexico. < *P. Z. S.*, xxx, 1862, pp. 18-20, pl. iii.  
 16 spp.—*Harpophynchus ocellatus*, p. 18, pl. iii, sp. n.
1862. SCLATER, P. L. Characters of Nine New Species of Birds received in collections from Bogota. < *P. Z. S.*, xxx, 1862, pp. 109-112, pl. xi.  
*Turdus ephippialis*, p. 109; *Hylophilus ferrugineifrons*, *Chlorospingus oleagineus*, *Philydor panerythrus*, p. 110; *Leptopogon erythrops*, *L. pacilotis*, *Myiobius bellus*, p. 111; *Empidonax piceilurus*, *Urochroma stictoptera* (pl. xi), p. 112.
1862. SCLATER, P. L. Characters of Nine [ately] New Species of Birds received in collections from Bogota. < *Ann. Mag. Nat. Hist.*, (3), x, 1862, pp. 309-313.  
 From *P. Z. S.*, March 25, 1862, pp. 109-112, *q. v.*
- 1862-63. NATTERER, J., ed. PELZELN, A. V. Handschriftliche Notizen [über die Cathartidae und Falconidae Brasiliens]. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xii, 1862, pp. 171-192; xiii, 1863, pp. 631-634.  
 Notizen über 25 Arten der hier besprochenen Gruppen, als Anhang zu Pelzelns „Die Geier und Falken der Kaiserl. Ornith. Sammlung“, tomm. cit., pp. 129-192, 585-636.
1863. [BAIRD, S. F.] List of the described Birds of Mexico, Central America, and the West Indies not in the collection of the Smithsonian Institution. January 1, 1863. 8vo, double column, pp. 6.  
 Names only.
1863. BATES, H. W. The Naturalist on the River Amazons: a record of adventures, habits of animals, sketches of Brazilian and Indian life, and aspects of Nature under the Equator during eleven years of travel. By Henry Walter Bates. London, Murray, 1863. 2 vols. 8vo. figg.  
 Orig. ed., not seen: see 2d ed., 1864. Numerous ornithological passages, and some of the woodcuts. Mr. Bates's collection of birds, upwards of 400 species, is said to have been dispersed with only imperfect record (*P. Z. S.*, 1857, pp. 261-268, *q. v.*) of names, dates, or localities. Cf. *Ibis*, 1863, pp. 462, 463; *Nat. Hist. Rev.*, 2d ser., iii, 1863, pp. 385-389; *Zoologist*, xxi, 1863, pp. 8537-8554.
1863. EDITOR. The Naturalist on the Amazons. < *Nat. Hist. Rev.*, 2d ser., iii, 1863, pp. 385-389.  
 Editorial review of H. W. Bates's work.
1863. LAWRENCE, G. N. Descriptions of Eight New Species of Birds from the Isthmus of Panama. < *Ibis*, v, 1863, pp. 181-184.  
*Cotyle uropygialis*, *Dendrocinus nana*, *Formicivora virgata*, *Mymelastes corvinus*, *Myiozetetes marginatus*, *Myiobius atricaudus*, *Platyrhynchus superciliaris*, *Celeus squamatus*.
1863. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Vireonidae and Rallidae. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 106, 107.  
*Vireo atripennis*, *Corethrura guatemalensis*, p. 106; *Aramides axillaris*, p. 107.
1863. NEWMAN, E. Notices of New Books. < *Zoologist*, xxi, 1863, pp. 8537-8554.  
 Extended notice of Bates's "The Naturalist on the River Amazons".
1863. PELZELN, A. V. Ueber vier von Natterer in Brasilien gesammelte noch unbeschriebene Vögelarten. < *Verh. k.-k. zool.-bot. Gesellsch. Wien*, xiii, Oct. 10, 1863, pp. 1125-1127.  
*Syrnium superciliare*, p. 1125; *Strix superciliaris*, *Tinamus guttatus*, p. 1126; *T. erythropus*, p. 1127.



1863. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Fauna von Peru. < *Arch. f. Naturg.*. —, 1863, pp. 11<sup>s</sup> —.

*Squallaxis striata*; *Chlorospiza erythronota*; *Pitylus albociliaris*; *Sterna locata*; *S. frobenii*; *S. comata*; *Leistes albiges*; *Recurvirostra audina*; *Dasycephala (Agriornis) albicauda*.—Cf. *Ibis*, 1864, pp. 120, 121. (See n, but transcript defective; volume missing from set when wanted for revision.)

1863. SALVIN, O. [Letter on his operations in Guatemala; suggests name of *saneti jerome* for a perhaps new *Panyptila*.] < *Ibis*, v, 1863, p. 239.

1863. SALVIN, O. Descriptions of Thirteen New Species of Birds discovered in Central America by Frederick Godman and Osbert Salvin. < *P. Z. S.*, xxxi, 1863, pp. 186-192, pll. (Aves) xxiii, xxiv, woodc.

*Thryothorus petenicus*, *Dendroica nireiventris* (pl. xxiv, f. 2), p. 187; *Cardellina versicolor* (pl. xxiv, f. 1), *Vireo pallens*, *V. ochraceus*, *V. semiflavus*, p. 188; *Petrochelidon littorea*, *Spizella pinetorum*, *Ammodramus petenicus*, *Junco alticola*, p. 189; *Chrysomitris atriceps*, *Elania arenarum*, *Panyptila sancti hieronymi* (pl. xxiii), p. 190 (cf. *Ibis*, 1863, p. 239).

1863-64. MARCH, W. T. Notes on the Birds of Jamaica. With Remarks by S. F. Baird. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 150-154, 283-304; xvi, 1864, pp. 62-72.

An extended commentary on the habits, etc., of numerous species, with some technic by S. F. Baird. *Mimus hillii*, p. 291, sp. n. Cf. *Ibis*, 1864, p. 404.

1864. BATES, H. W. The | Naturalist on the River | Amazons. | A record of adventures, habits of animals, sketches of | Brazilian and Indian life, and aspects of nature under | the Equator, during eleven years of travel. | By Henry Walter Bates. | [Cut.] | Pelopæus Wasp building nest. | Second Edition. | With map and illustrations. | London: | John Murray, Albemarle street. | 1864. | [The Right of Translation is reserved.] | 1 vol. 16mo. pp. iii-xii, 1-466, map, pll., and cuts (30 illnstrs. in all).

Orig. ed. 1863, q. v. This work is pleasantly ornithological here and there throughout, and includes figures of several birds. Chap. XII, pp. 388-426, Animals of the neighbourhood of Ega. Birds, pp. 402-412; especially full on *Rhamphastidae*.

1864. CASSIN, J. Notes on some Species of Birds from South America. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 286-288, pll. i-iv.

Critical; 7 spp.—Pl. I, f. 1, *Callistolarinia*; f. 2, *C. hannahiae*, sp. n., p. 287. Pl. II, *Orthogonys olivaceus*. Pl. III, *Pittasoma niehleri*. Pl. IV, *Monasa pallescens*.

1864. LANDBECK, L. Contribuciones a la Ornitología de Chile. < *Anales de la Universidad de Chile*, tom. xxiv, No. 4, April, 1864, pp. 336-348.

The original Spanish version of the paper by the author and Dr. Philippi in the *Archiv für Naturgeschichte*, 1864, (1), pp. 41-54 (cf. *Zool. Rec.*, ii, p. 81), and of the paper in the same periodical, 1864, (1), pp. 55-62, by the author alone (cf. *Zool. Rec.*, ii, p. 80).—*Dendroica atricapilla* Ldb., p. 336; *Arundinicola citreola* Ldb., p. 338; *Chlorospiza plumbea* Ph. & L., p. 341; *Sycalis aureiventris* Ph. & L., p. 342, spp. nn. Sobre los Azores chilenos, p. 345; *Accipiter chilensis* Ph. & L., p. 346, sp. n.

1864. LANDBECK, L. Beiträge zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1864, (1), pp. 55-62. (Cf. *Arch. f. Nat.*, (1), 1864, pp. 41-54; 1865, pp. 56-106; 1866, pp. 121-132.)

*Dendroica atricapilla*, p. 56; *Arundinicola citreola*, p. 58.

1864. LAWRENCE, G. N. Descriptions of New Species of Birds [of Central and South America] of the Families Tanagridæ, Cunculidæ, and Trochilidæ, with a Note on *Pantepe insignis*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 41-46.

*Saltator fulviventris*, p. 41; *Tachyphonus tibialis*, p. 41; *T. napensis*, p. 42; *Coccyzus julieni*, p. 42; *Trochroa leucura*, p. 43; *Trochite ruficrissa*, p. 44; *Ramphomiseron olivaceus*, p. 44.

1864. LAWRENCE, G. N. Catalogue of Birds collected at the Island of Sombbrero, W. I., with Observations by A. A. Julien. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 92-106.

34 spp., of which only 12 are land-birds; among them are *Vireosyltria atripennis* and *Coccyzus julieni*; collector's field-notes: *Vireosyltria cirquialis*, sp. n. prob., p. 97.

1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Caeræbidae, Tanagridæ, Isteridæ, and Scolopaciæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 106-108.

*Dacnis ultramarina*, *Saltator intermedius*, p. 106; *Cassicus ritellius*, *Ereunetes occidentalis*, p. 107; all but the Isthmus of Panama, the *Ereunetes* being from North America.

1864. PHILIPPI, R. A., and LANDBECK, L. Contribuciones a la ornitología de Chile. < *Anales Univ. Chih.*, xxv, Set. de 1864, pp. 407-439.

1. *Pteroptochus castaneus*, sp. n., p. 408.—2. De las Alondras Chilenas, pp. 409-418. *Certhiola fribeni*, p. 411; *C. isabellina*, p. 412; *Geothlypis fasciatus*, p. 415, spp. nn.—3. De las Muscisaxícolas Sud-Americanas, pp. 418-439. *Muscisaxicola cinerea*, p. 422; *M. rubricapilla*, p. 429; *M. flavivertex*, p. 434; *M. agrifrons*, p. 436, spp. nn.—This paper reappears in *Arch. f. Naturg.*, 1865, q. v.

1864. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1864, (1), pp. 41-54. (Cf. *Arch. f. Nat.*, (1), 1864, pp. 55-62; 1865, pp. 56-106; 1866, pp. 121-132.)

*Accipiter chilensis*, p. 43; *Chlorospiza plumbea*, p. 47; *Sygalis auriventris*, p. 49.

1864. SALVIN, O. A Fortnight amongst the Sea-birds of British Honduras. < *Ibis*, vi, 1864, pp. 372-387.

Treating of numerous spp. in form of continuous narrative.

1864. SALVIN, O. Descriptions of Seventeen New Species of Birds from Costa Rica. < *P. Z. S.*, xxxii, 1864, pp. 579-586, pll. xxxv-xxxvi.

*Catharus gracilirostris*, *Thryothorus albogularis*, *T. thoracicus*, *Myiadestes melanops* (pl. xxxv), p. 589; *Lanius leucothorax*, *Chlorospingus pileatus*, p. 581; *Embernagra superciliosa*, *Myrmeciza leucosticta*, *Grallaria dives*, p. 582; *Myiobius capitalis*, *Piprites griseiceps*, *Carpodectes* (g. n.) *nitidus* (pl. xxxvi), p. 583; *Oreocypa hemileuca*, *O. calderana*, p. 584; *Chalybura melanorhoa*, p. 585; *Selasphorus flammula*, *Odonatophorus melanotis*, p. 586. The author is acquainted with about 300 species of Costa Rican birds, about 65 of which have been described as new, which have not been found beyond the limits of Costa Rica, even in the adjoining province of Veragua.

1864. SCLATER, P. L. On some Additions to the List of the Birds of the Falkland Islands. < *P. Z. S.*, xxxii, 1864, p. 73.

Two species, obtained by Captain Packe, are added to the lists previously drawn up by Dr. Sclater (*P. Z. S.*, 1860, pp. 382-391; 1861, pp. 45-47, q. v.). These are *Egretta leucæ* and *Prioniturus*. The author adds, from the "Ibis" (1861, p. 312), rectifications of the names of two others, viz: *Nycticorax obscurus* for *N. gardeni*, and *Larus glaucoptis* for *L. roseicentris*.

1864. SCLATER, P. L. Descriptions of Seven New Species of Birds discovered by the late Dr. John Natterer in Brazil. < *P. Z. S.*, xxxii, 1864, pp. 605-611, pll. xxxvii-xxxix, woodc.

*Granatellus pelzelni*, p. 606, pl. xxxvii, f. 1, with synopsis of 3 spp.: *Tanagra olivina* Natt., *Spermophila pilata* (Natt.), p. 607, with synopsis of 8 spp.: *Pooecypa oxycynchus* (Natt.), p. 608; *Hypocnemis flavescens* (Natt.), *Pteroptochus thoracicus* (pl. xxxiii), p. 609, woodc. on p. 610; *Pipra nattereri*, p. 611, pl. xxxix.

1864. SCLATER, P. L., and SALVIN, O. Notes on a Collection of Birds from the Isthmus of Panama. < *P. Z. S.*, xxxii, 1864, pp. 342-373, pl. xxx.

Two hundred and seventy-two species are included in this list, to which is prefixed a concise notice of previous papers treating of the same subject. Four new species are described, namely, *Cassidix microchrychus*, *Myrmeciza immaculata*, *Campostoma flaviventris*, and *Conurus ocellaris*, while of all those enumerated a very full synonymy is given, correcting a great many former errors. One species, *Ereunetes cassini*, is figured.

1864. TAYLOR, E. C. Five Months in the West Indies. < *Ibis*, vi, 1864, pp. 73-97, 157-173.

Part I, pp. 73-97, Trinidad and Venezuela; sketch of region; 141 spp.: *Tyrannus vociferans* Sch., sp. n. Part II, pp. 157-173, Martinique, Dominica, and Porto Rico; same treatment of subject; 48 spp.: *Certhiola dominicensis*, p. 167; *Pitangus taylori* "Sch.", p. 169, spp. nn. Cf. *Ibis*, 1864, p. 495.

1865. CASSIN, J. On some Conirostral Birds from Costa Rica in the Collection of the Smithsonian Institution. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 169-172.

22 spp.—*E. ingillii* v. — *Tanagra*. *Arremon rufidorsalis*, *Buarremon crassirostris*, p. 170; *Euphonia nana*, p. 172 spp. nn.

1865. LAWRENCE, G. N. Descriptions of New Species of Birds [of Central and South America] of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
*Buarremon ocal*, p. 126; *Philydor rufobrunneus*, p. 127; *Anabazenops lineatus*, p. 127; *Mar-garonis rubiginosa*, *M. guttata*, p. 128; *M. brunneicauda* (proband.), p. 130; *Dysithamnus straticiceps*, p. 130; *D. rufiventris*, p. 131; *Myrmotherula albigula*, p. 131; *Myrmeciza stictoptera*, p. 132; *Empidonax flavescens*, p. 133; *Contopus lugubris*, *Eupherusa niveicauda*, p. 134.
1865. LAWRENCE, G. N. Descriptions of Six New Species of Birds from Central America. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 171-174.  
*Spermophila hicksi*, *S. badiiventris*, *S. fortipes*, *Formicivora schisticolor*, *Elainea frantzii*, and *Mitrophorus aurantiiventris*.
1865. LAWRENCE, G. N. List of Birds from near David, Chiriqui, New Grenada, collected for the Smithsonian Institution, Washington, by Mr. Fred. Hicks, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 174-178.  
*Spermophila collaris*, p. 176; *Elainea chiriquensis*, p. 176; *E. semiflava*, p. 177, spp. nn.—39 spp.
1865. LAWRENCE, G. N. Catalogue of a Collection of Birds in the Museum of the Smithsonian Institution, made by Mr. H. E. Holland at Greytown, Nicaragua, with Descriptions of New Species. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 178-184.  
*Thryothorus brunneus*, p. 178; *Synallaxis nigrifumosa*, p. 180; *Thamnophilus hollandi*, p. 180, spp. nn. 61 spp.
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridæ, Vireonidæ, Tyrannidæ, and Trochilidæ, with a note on *Myiarchus Panamensis*. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 37-39.  
*Polioptila plumbeiceps*, *Hylophilus acuticaudus*, p. 37; *Myiarchus venezuelensis*, *Chalybura aeneicauda*, p. 38; *C. carniola*, *Panychora parcirostris*, p. 39—the last two from Costa Rica, the others from Venezuela.
1865. LAWRENCE, G. N. Descriptions of four new Species of Birds from the Isthmus of Panama, New Grenada. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 106-108.  
*Tachyphonus rubrifrons*, *Anthus (Notioeorys) parvus*, p. 106; *Thamnophilus nigricristatus*, p. 107; *Geotrygon albicenter*, p. 108.
1865. LEYBOLD, F. Cuatro especies nuevas de pájaros, descubiertos en la pendiente oriental de la cordillera que separa a la provincia de Santiago de la de Mendoza. < *Anales Univ. Chile*, tomo xxvi, Junio de 1865, pp. 712-718.  
*Synallaxis crissirostris* Landb., p. 713; *Myarchus* (sic) *fasciatus* Landb., p. 714; *Sporofila* (sic) *rufirostris* (sic) [lege *Sporophila rufirostris*] Landb., p. 716; *Phrygilus ornatus* Landb., p. 717.
1865. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Ornithologie von Chile. < *Arch. für Naturg.*, 1865, (1), pp. 56-106. (Vergl. *Arch.*, 1864, (1), pp. 41-54, 55-62; 1866, pp. 121-132.)  
 Enthaltend: *Pteroptochos castaneus*, p. 56; Die Lerchen Chiles, pp. 58-73; *Certhilauda cunicularia* Latr., *C. frobeni*, p. 62; *C. isabellina*, p. 63; *Geobanon fasciata*, p. 68; *Certhilauda nigrofasciata*. Monographie der südamerikanischen Muscivoxicolinen, pp. 74-106; *M. albifrons*, *M. cinerea*, p. 89; *M. maculirostris*, *M. mentalis*, *M. rubricapilla*, p. 90; *M. rufiventris*, *M. flavivertex*, p. 98; *M. nigrifrons*, p. 101; *M. straticiceps*, *M. frontalis*, *M. capitata*; *M. brunnea*, *M. flavinucha*, *M. albilora*, *M. albimentum*—15 Arten.—Cf. Cab., J. f. O., 1860, p. 249, note; Sci., *Ibis*, 1865, p. 59.  
 This paper continues one of similar title by Landbeck in same *Archiv*, 1864, pp. 55-62, q. v.; which latter continues one by Philippi and Landbeck, in same *Archiv*, 1864, pp. 41-54, q. v.; both these papers of 1864 also appearing in Spanish in *Anal. Univ. Chile*, xxiv, 1864, pp. 336-348, q. v., under LANDBECK, L. It is continued in same *Archiv*, 1866, pp. 121-132, q. v.  
 The original Spanish version of this paper is in *Anales Univ. Chile*, xxv, 1864, pp. 408-439.
1865. SALVIN, O. The Sea-birds and Waders of the Pacific Coast of Guatemala. < *Ibis*, 2d ser., i, 1865, pp. 187-199.  
 Narrative: running commentary on numerous spp.

- 1865-66. GUNDLACH, J. Revista y Catálogo de las Aves Cubanas. < *Poey's Repertorio Físico-Nat. Isla Cuba*, tomo i, 1865-66, pp. 165-180 (entrega 7, Octubre 1865), 221-242 (ent. 8, 9, Noviembre, Diciembre, 1865), 281-302 (entregas 10, 11, Enero, Febrero, 1866), 347-363 (ent. 12, 13, Abril, Junio, 1866), 384-403 (ent. 14, Agosto 1866): Índice de las Aves Cubanas, pp. 414, 415.

Hasta ahora se conocen 257 especies en estado silvestre en esta isla; 119 especies que también pertenecen á la América Setentrional; á la América Meridional, 8; á las dos Américas, 55; á la América Setentrional y á la Europa, 8; á las dos Américas y á la Europa, 9; otras Antillas, 18; no en otras tierras, 40 (dámase de la distribución geográfica á la página 168).

La clasificación es la que se ha usado en el catálogo publicado por el autor en *J. f. O.* Jahrg. ix, Nr. 53, 1861, SS. 321-349.

Apéndice, pp. 396-402. Catálogo de las Aves introducidas, 4 esp. Cat. de las Aves observadas en el campo, pero probablemente huidas de jaulas, 6 esp. Cat. de las Aves indicadas como pertenecientes á la Ornitol. cubana, pero equivocadas con otras que en efecto se encuentran, 87 esp. Cat. de las Aves indicadas como pertenecientes á la Orn. Cub., pero indudablemente por error, 39 esp. Correcciones de erratas esenciales, p. 403.

Sketch of general character of the avifauna; table of geographical distribution of species. Of 257 species found feral in the island, 40 are peculiar to it, and 119, or more than half the remainder, are common to North America, 8 to South America. Extracts from a letter of Dr. Gundlach relating to Cuban ornithology are also printed in *Journ. f. Orn.*, 1866, pp. 352-354. Cf. *Ibis*, 1867, pp. 377, 378.

1866. BAIRD, S. F. [On dates of original publication of various spp. nn. of Philippi and Landbeck's as between *Anales Univ. Chile* and *Arch. f. Naturg.*] < *Ibis*, 2d ser., ii, 1866, pp. 424, 425.

1866. BENVENUTI, E. Descrizione di quattro nuove specie della famiglia dei Trochilidi provenienti della Nuova Granata e di una nuova specie di Dendroica del Brasile con l'aggiunta di una nota riguardante la Fauna Toscana. < *Annali R. Mus. di Fisica e Storia Nat. di Firenze per il 1865*, nuova serie, i, 1866, pp. 197-269.

*Polytaenus* (*Campylopterus*) *ceciliar*, p. 202; *Mollisuga* (*Panaplitis*) *julith*, p. 203; *M.* (*Cyananthus*) *salsadorii*, p. 204; *M.* (*Eriocnemis*) *ridolfii*, p. 205; *Dendroica* *picciolii*, p. 207.

1866. BRYANT, H. H. Bryant, Vögel von Porto Rico. < *J. f. O.*, xiv, 1866, pp. 181-191. From *Proc. Bost. Soc. N. H.*, Jan., 1866, pp. 248-257.

1866. BRYANT, H. A List of Birds from Porto Rico presented to the Smithsonian Institution, by Messrs. Robert Swift and George Latimer, with descriptions of new Species or Varieties. < *Proc. Bost. Soc. Nat. Hist.*, x, Jan., 1866, pp. 248-257.

41 spp.—*Tyrannus antillarum*, p. 249; *Todus hypochondriacus*, p. 250; *Mimus polyglottus* var. *portoricensis*, p. 251; *Certhiola flaveola* var. *portoricensis*, *Vireo latimeri* (descri. null), *Spinallus portoricensis*, p. 252; *Fringilla zena* var. *portoricensis*, *Icterus dominicensis* var. *portoricensis*, p. 254; *Saurortha ricolloti* var. *rufescens*, p. 256. Cf. *Ibis*, 1867, pp. 129, 130.

1866. GUNDLACH, J. Briefliches von Cuba. < *J. f. O.*, xiv, 1866, pp. 352-354.

Desultory remarks on a few species.

1866. GUYON, —. Des animaux disparus de la Martinique et de la Guadeloupe depuis notre établissement dans ces îles. < *Comptes Rendus de l'Acad. Sci. Paris*, lxiii, 8 Oct. 1866, pp. 589-593.

Not seen: title from *Zool. Rec.*

1866. LAWRENCE, G. N. Characters of Seven New Species of Birds from Central and South America, with a Note on *Thaumatias chionurus*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 344-350.

*Campylorhynchus brevipennis*, p. 344; *Automolus rufescens*, p. 345; *Grallaria gigantea*, p. 345; *Grallaria costaricensis*, p. 346; *Phaethornis cassini*, p. 347; *Euphrysia cupreiceps*, p. 348; *Geothlypis venezuelensis*, p. 349.

1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.

*Hirundo ariflorialis*, p. 400 (Ecuador); *Thaumatophilus leucopygus*, p. 401 (Panama); *Empidonax pectoralis*, p. 402 (Panama); *H. longica beargii*, p. 402 (Costa Rica); *Thaumatias viridicardus*, p. 404 (Buenaventura); *Amazilia* (*Pareophorna*) *graysoni*, p. 404 (Tres Marias Islands).

1866. LÉOTAUD, A. Oiseaux | de | L'Île de la Trinidad, | (Antilles), | par A. Léotaud, | Docteur en Médecine de la Faculté de Paris; membre correspondant de la | Société de Médecine de Gand. | — | Ouvrage publié par souscription nationale | — | Port d'Espagne: | Chronicle Publishing Office. | — | 1866. 1 vol. 8vo. 2 p. ll., pp. i-xx, 1 l., 1-560, 1 l., i-viii, i-iv.

A systematic treatise on 294 + 3 species, with synonymy, description, and general remark. Geographical categories are given at pp. ix-xiii. *Cymindis pucherani*, p. 40; *Dendrocolaptes altirostris*, p. 166; *Empidonax cubanisi*, p. 232; *Tachyphonus albispecularis*, p. 303, spp. nn.

The author appears to have labored under the usual disadvantages of those who work away from centres of learning, and his work has a somewhat amateurish air; but it is most creditable to him, considering what difficulties he had to contend with, and becomes a standard work on the special subject.

"L'ornithologie de la Trinidad frappe tout d'abord par le grand nombre d'espèces, 294 [297] qui la composent; . . .

"Ce qui frappe ensuite dans l'ornithologie de la Trinidad c'est qu'elle relève presque entièrement de l'Amérique Méridionale. En effet en jetant un coup d'œil sur les tableaux qui précèdent, . . . on ne trouve pour total que 95 espèces communes à l'une ou à plusieurs des localités désignées dans ces tableaux. Il reste donc déjà, par ce seul fait, 199 espèces propres exclusivement à la Trinidad et par conséquent à l'Amérique Méridionale. . . . Il en resterait 274 propres à la Trinidad et à l'Amérique du Sud.

"Un troisième fait non moins intéressant ressort de la limite qu'atteignent, dans les Antilles, les oiseaux migrateurs partis soit du Sud soit du Nord."

Cf. especially *Ibis*, 1867, pp. 104-108, for critique on the work.

1866. LEYBOLD, F. Beschreibung von vier neuen Vogelarten aus der Argentinischen Provinz Mendoza. <*J. f. O.*, xiii, 1865, pp. 401-406. (Pub. 1866.)

*Synallaxis crassirostris*, p. 401; *Myiarchus fasciatus*, p. 402; *Sporophila rufirostris*, p. 404; *Phrygilus ornatus*, p. 405. Described by Herr L. Landbeck. See 1865, LEYBOLD, F.

1866. PHILIPPI, R. A., and LANDBECK, L. Beiträge zur Fauna Chiles. <*Arch. f. Naturg.*, 1866, (1), pp. 121-132.

*Icterophaga castaneus*, p. 121; *Sterna luctuosa*, sp. n., p. 126; *Synallaxis masafueræ* (sic—lege *masafueræ*), sp. n., p. 127; *Numenius microrhynchus*, sp. n., p. 129.

This concludes a series of papers by one of, or both, these authors, of same or similar title, in same *Archiv*, 1864, pp. 41-54, 55-64; 1865, pp. 56-106.

1866. SALVIN, O. A further Contribution to the Ornithology of Guatemala. <*Ibis*, 2d ser., ii, 1866, pp. 188-206.

81 spp., briefly annotated. The paper continues under a subheading "Corrections to the former Papers on the Ornithology of Central Guatemala"—which must not be overlooked in using them. The papers referred to are in *Ibis*, i, 1859; ii, 1860; iii, 1861. *Chameospiza torquato* S. & S., *Ibis*, 1860, 274, is *Pyrgisoma leucote*.

1866. SALVIN, O. Descriptions of Eight New Species of Birds from Veragua. <*P. Z. S.*, xxxiv, 1866, pp. 67-76, pl. vii, viii.

*Catharus griseiceps*, p. 68, with synopsis of 10 spp.; *Microcerentus lusciniæ*, p. 69, with synopsis of 5 spp.; *Euphonia ruficincta*, p. 71, pl. vii; *Guarunum mesoxanthus*, *Philydor fuscipectus*, *Dysithamnus puncticeps*, p. 72; *Formicarius rufipectus*, p. 73, pl. viii, with synopsis of 7 spp.; *Trogon clathratus*, p. 75.

1866. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their habits; by Prof. W. Nation, of Lima, C. M. Z. S. [Part I.] <*P. Z. S.*, xxxiv, 1866, pp. 96-100, pl. xi.

23 spp.—*Geositta crassirostris*, p. 98; *Myiobius nelsoni*, p. 99, pl. xi, f. 1, spp. nn. The other figure of the same plate represents *M. pulcher*.—Continued, *P. Z. S.*, 1867, pp. 340-344.

1866. SCLATER, P. L., and SALVIN, O. Catalogue of Birds collected by Mr. E. Bartlett on the River Ucayali, Eastern Peru, with Notes and Descriptions. <*P. Z. S.*, xxxiv, 1866, pp. 175-201, pl. xviii.

The collection contained about 700 specimens, of 252 spp.—*Leucippus chlorocercus* "Gould", p. 194; *Thamnias bartletti* Gould, p. 194; *Hypocnemis melanura*, p. 186; *H. hemileuca*, p. 187; *Synallaxis terricolor*, p. 183; *S. vulpecula*, p. 184; *Metopothrix* (g. n.) *aurantiacus*, p. 190, pl. xviii; *Serpophaga hypoleuca*, p. 188; *Spermophila ocellata*, p. 181; *Muscisaxicola fluriatilis*, p. 187; *Furnarius torridus*, p. 183, spp. nn.

1866. SCLATER, P. L., and SALVIN, O. On some Additions to the Catalogue of Birds collected by Mr. E. Bartlett on the River Ucayali. <*P. Z. S.*, xxxiv, 1866, pp. 566, 567.

20 species in addition to those of the former list are noticed; none new.

1866-69. SCLATER, P. L., and SALVIN, O. Exotic Ornithology. | containing | Figures and Descriptions of New or Rare Species | of | American Birds, | by | Philip Lutley Sclater, M. A., Ph. D., F. R. S., | Secretary to the Zoological Society of London, | late Fellow of Corpus Christi College, Oxford: | and | Osbert Salvín, M. A., F. L. S., F. Z. S. | — | London: | Bernard Quaritch, 15 Piccadilly. | [1866 to] 1869. 1 vol. Folio. pp. i-vi, 1-204, pl. i-c. (Published in 13 parts.)

Exact dates of publication are:—Part I, pl. i-viii, Oct. 1, 1866. II, pl. ix-xvi, Feb. 1, 1867. III, pl. xvii-xxiv, May 1, 1867. IV, pl. xxv-xxxii, Aug. 1, 1867. V, pl. xxxiii-xl, Jan. 1, 1868. VI, pl. xli-xlviii, Apr. 1, 1868. VII, pl. xlix-lvi, July 1, 1868. VIII, pl. lvii-lxiv, Aug. 1, 1868. IX, pl. lxx-lxxii, Dec. 1, 1868. X, pl. lxxiii-lxxx, Jan. 1, 1869. XI, pl. lxxxi-lxxxviii, June 1, 1869. XII, pl. lxxxix-xcvi, Aug. 1, 1869. XIII, pl. xcvi-c, Nov. 1, 1869. The last part contains permanent title, preface, contents, and errata (pp. i-vi), and index (pp. 201-204). The temporary cover-title is a little different from the permanent one.

Cf. *Ibis*, 1867, pp. 123, 372; 1868, pp. 335-337; 1869, pp. 109, 110; 1870, 262-264; *Zool. Rec.*, iii, p. 48; iv, p. 51; v, p. 38; vi, p. 60.

The plates are all by Mr. Smit; they are very beautiful. The whole number of species figured is 104, referred to 51 genera. In most cases, a systematic list of the other American species of the same genus is appended to the final illustration of each, thereby enlarging the scope and greatly increasing the value of the work. Each of the species is systematically treated with synonymy, diagnosis, and critical and biographical matter. The authors are the highest authorities in neotropical ornithology, and this work is a monument of erudition, industry, and artistic excellence.

Pl. 1, *Lipaugus unirufus*. Pl. 2, *L. subalaris*. Pl. 3, *L. rufescens*. Pl. 4, *Furnarius torridus*. Pl. 5, *Xiphodena atricapilla*. Pl. 6, *Ptilopus caudatus*. Pl. 7, *Vireolanus melitophrys*. Pl. 8, *V. pulchellus*.—Pl. 9, *Phlogopsis maculosa*. Pl. 10, *Cincoerchia ruficauda*. Pl. 11, *C. macrorhynchos*. Pl. 12, *C. gutturalis*. Pl. 13, *Accipiter ventralis*. Pl. 14, *A. chinogaster*. Pl. 15, *Rupicola sanguinolenta*. Pl. 16, *Porzana rubra*.—Pl. 17, *Accipiter erythrogastrus*. Pl. 18, *A. castaneus*. Pl. 19, *Cichlops leucogynus*. Pl. 20, *Nyctibius bracteatus*. Pl. 21, *Cyphorus lawrencii*. Pl. 22, *C. phaeocephalus*. Pl. 23, f. 1, *Thryothorus solstitialis*; f. 2, *T. brunneicollis*. Pl. 24, *Icterus pustulatus*.—Pl. 25, *Mniotilta obscura*. Pl. 26, *M. unicolor*. Pl. 27, *M. rubicollis*. Pl. 28, *M. elizabethae*. Pl. 29, *Hypochaeris castaneus*. Pl. 30, *Oedipodius superciliosus*. Pl. 31, *Lanius aurantius*. Pl. 32, *L. leucothorax*. Pl. 33, *Tachycineta phoeniceus*. Pl. 34, *T. delatrigii*. Pl. 35, *Xiphocleptes emigrants*. Pl. 36, *X. major*. Pl. 37, *Accipiter chilensis*.—Pl. 38, *Leucopternis superciliosus*. Pl. 39, *Geotrygon "chiriquensis"* (= *albifacies*, see *Exot. Ornith.*, viii, 1868, p. 123). Pl. 40, *G. bourcierii*.—Pl. 41, f. 1, *Chlorophonia frontalis*; f. 2, *C. longipennis*. Pl. 42, *C. occipitalis*. Pl. 43, *Melanotis hypoleucus*. Pl. 44, *Tinamus robustus*. Pl. 45, *Crypturus sallei* (dege sulleri). Pl. 46, *C. boucardi*. Pl. 47, *C. meserythrus*. Pl. 48, *Tigrisoma cubanisi*.—Pl. 49, *Leucopternis palliata*. Pl. 50, *Scops flammeola*. Pl. 51, *S. barbarus*. Pl. 52, *Chortura semicollaris*. Pl. 53, *Porzana hauxwelli*. Pl. 54, *P. melanophora*. Pl. 55, *P. albigularis*. Pl. 56, *P. leucopyrcha*.—Pl. 57, *Fulica ardesiaca*. Pl. 58, *F. armillata*. Pl. 59, *F. leucopygia*. Pl. 60, *F. leucoptera*. Pl. 61, *Leucopternis semiplumbea*. Pl. 62, *Geotrygon chiriquensis* (verus; vide supra). Pl. 63, *Cardinalis phoeniceus*. Pl. 64, f. 1, *Pyrgisoma rubricatum*; f. 2, *P. leucote*.—Pl. 65, f. 1, *P. cabanisi*; f. 2, *P. kieneri*. Pl. 66, *Oxyrhynchus frater*. Pl. 67, *Thryothorus schomburgki*. Pl. 68, *Chlorophonia calophrys*. Pl. 69, *Accipiter bicolor*. Pl. 70, *Turdus gigas*. Pl. 71, *T. albicollis*. Pl. 72, *T. leucocelus*.—Pl. 73, *T. erotopeus*. Pl. 74, *T. albigularis*. Pl. 75, *T. phaeopygus*. Pl. 76, *T. gymnophthalmus*. Pl. 77, *Bucco striolatus*. Pl. 78, *Porzana castaneiceps*. Pl. 79, *Attagis chimborazensis*. Pl. 80, *Formicivora strigilata*.—Pl. 81, *Conurus hoffmanni*. Pl. 82, *Rollus antarcticus*. Pl. 83, *R. semiplumbeus*. Pl. 84, *Pitylus humeralis*. Pl. 85, *Accipiter guttatus*. Pl. 86, *Ampelis arcuatus*. Pl. 87, *Asturina nattereri*. Pl. 88, *A. ruficauda*.—Pl. 89, *A. pucherani*. Pl. 90, *A. plagiata*. Pl. 91, *Botaurus pennatus*. Pl. 92, *Tigrisoma fasciatum*. Pl. 93, *Thripadectes flammulatus*. Pl. 94, *Icterus aberti*. Pl. 95, *Centropus micropterus*. Pl. 96, *Centropus orcas*.—Pl. 97, *Gallinago imperialis*. Pl. 98, *G. nobilis*. Pl. 99, *Querquedula puna*. Pl. 100, *Merganetta turneri*.

1867. BRYANT, H. A List of the Birds of St. Domingo, with Descriptions of some New Species or Varieties. < *Proc. Boston Soc. Nat. Hist.* for Dec. 5, 1866, xi, pub. 1867, pp. 89-98.

79 spp., in part annotated. *Tyrannula stolidus* var. *dominicensis*, p. 90; *T. caribbea* var. *hispaniolensis*, *Mimus polyglottus* var. *dominicus*, *Chrysomitris dominicensis*, p. 93, fig. p. 94, spp. un. *Kalochelidon*, p. 95, gen. n. Cf. *Ibis*, 1868, p. 229.

1867. LAWRENCE, G. N. Descriptions of New Species of American Birds. < *Ann. Lyc. Nat. Hist. New York*, viii, 1867, pp. 466-482.

*Euphonia purpurea*, p. 466; *Buarremon flavicinctus*, p. 467; *Ptilopus (Carpodacus) humeralis*, p. 467; *Philydor virgatus*, p. 468; *Thamophilus tenuifasciatus*, p. 468; *Thamophilus nigres-*

## 1867. LAWRENCE, G. N.—Continued.

*cens*, p. 469; *Myiodiastor superciliaris*, p. 470; *Aglæactis olivaceocauda*, p. 470; *Helimaster spectabilis*, p. 472; *Passerculus guttatus*, p. 473; *Zonotrichia melanotis*, p. 473; *Coturniculus mexicanus*, p. 474; *Hadrostromus albiventris*, p. 475; *Ortyx graysoni*, p. 476; *Saltator plumbeiceps* Bd. MS., p. 477; *Phœticus tibialis* Bd. MS., p. 478; *Spermophila atriceps* Bd. MS., p. 479; *Pyrgisoma xantusii* Bd. MS., p. 480; *Dendronis mentalis* Bd. MS., p. 481. Cf. *Ibis*, 1868, pp. 114, 115.

1867. LAWRENCE, G. N. Notes on certain Birds from New Grenada, with descriptions of New Species. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 94, 95.

*Tachyphonus propinquus*, *Phœnicothraupis vinacea*, *Leptoptila cassini*, p. 94, spp. nn. Cf. *Ibis*, 1868, p. 230.

1867. LAWRENCE, G. N. Descriptions of Five New Species of Central American Birds. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 232-234.

*Glaucid aeneus*, *Eupherusa nigricentris*, p. 232; *Thaumatias lucie*, *Dromococcyx rufigularis*, p. 233; *Aramides albiventris*, p. 234. Cf. *Ibis*, 1868, pp. 114 and 485.

1867. PHILIPPI, R. A. Comentario crítico sobre los animales descritos por Molina. < *Anales Univ. Chile*, xxix, Oct., 1867, pp. 775-802.

"Vienen ahora las 'aves'", pp. 788-795, Nos. 104-170.

1867. SALVIN, O. On some Collections of Birds from Veragua. < *P. Z. S.*, xxxv, 1867, pp. 129-161, pl. (Aves) xiv.

220 spp., less 4. Avifaunal characters of the region. Pl. xiv, *Guarremón crassirostris*.—*Chamaepetes unicolor*, p. 159; *Odontophorus leucolemus*, p. 161, spp. nn.

1867. SCLATER, P. L. Remarks on Dr. Léotaud's 'Birds of Trinidad.' < *Ibis*, 2d ser., iii, 1867, pp. 104-108.

Criticism of the work as a whole, and of names of various species in particular.

1867. SCLATER, P. L. [Extracts from letters received from Mr. E. Bartlett, relating to Peruvian Birds.] < *P. Z. S.*, xxxv, 1867, p. 2.1867. SCLATER, P. L. Notes on the Birds of Chili. < *P. Z. S.*, xxxv, 1867, pp. 319-340.

Abstract of bibliography. Running commentary on the birds, under heads of the several families; nominal list of 299 species. The article is the most complete summary of the subject extant. It has special reference to the species described by Philippi and Landbeck. Cf. *Naumannia*, 1853, pp. 207-222; *Zool. Rec.*, ii, pp. 80, 81, and iii, p. 64.

1867. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their Habits; by Prof. Nation, of Lima.—(Part II.) < *P. Z. S.*, xxxv, 1867, pp. 340-344, pll. xx, xxi.

Continued from *P. Z. S.*, 1866, p. 100.—12 spp.—*Poospiza bonapartii*, p. 341, pl. xx; *Porzana erythrops*, p. 343, pl. xxi, spp. nn.—Continued, *P. Z. S.*, 1869, pp. 146-148.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected on the Blewfields River, Mosquito Coast, by Mr. Henry Wickham. < *P. Z. S.*, xxxv, 1867, pp. 278-280.

39 spp.; none new.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected by Mr. Wallace on the Lower Amazons and Rio Negro. < *P. Z. S.*, xxxv, 1867, pp. 566-596, pll. xxix, xxx.

282 spp., annotated; with several synopses of different groups, and summary comparisons of local faunas. *Hylophilus rubrifrons*, p. 569, pl. xxx, f. 1; *H. semicinctus*, p. 570, pl. xxx, f. 2; *Heteropelma wallacii*, p. 579. Pl. xxix is *Turdus phaeopygus*.

1867. SCLATER, P. L., and SALVIN, O. Catalogue of Birds collected by Mr. E. Bartlett on the River Huallaga, Eastern Peru, with Notes and Descriptions of New Species. < *P. Z. S.*, xxxv, 1867, pp. 748-759, pl. xxxiv.

Tabular list of 205 spp., followed by critical commentary on many of them. *Dendrocolaptes radiolatus* Sel. MS., p. 755; *Thamnophilus murinus* Natt. MS., *Myrmotherula cinereiventris* Sel. MS., p. 756; *Chaetura brachycheira* (pl. xxxiv), *Celeus citreopygius* Bp. MS., p. 758, spp. nn.

1867. SCLATER, P. L., and SALVIN, O. List of Birds collected at Pebas, Upper Amazon, by Mr. John Hauxwell, with Notes and Descriptions of New Species. < *P. Z. S.*, xxxv, 1867, pp. 977-981, pl. xlv.

135 spp.—*Orzoborus melas*, p. 979; *Perenostola fortis*, p. 980, pl. xlv, and fig. xylog.; *Tyranniscus gracilipes*, *Porzana fasciata*, p. 981, spp. nn.

1867. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whiteley.—Part I. < *P. Z. S.*, xxxv, 1867, pp. 982-991, pl. xlvii.  
58 spp., annotated—Continued, *P. Z. S.*, 1868, pp. 173-178.
- 1867-69. EULER, C. Beiträge zur Naturgeschichte der Vögel Brasiliens. < *J. f. O.*, xv, 1867, pp. 177-198, 217-233, 399-420; xvi, 1868, pp. 182-194; xvii, 1869, pp. 241-255.  
Cf. *Zool. Rec.*, 1867, p. 68; 1868, p. 55; 1869, p. 49.
1868. AXON. A strange [apparently fabulous] Bird. < *Zoologist*, 2d ser., iii, 1868, p. 1295.  
From a Copiapo (Chili) paper.
1868. BELL, A. S. [Allusions to some of the] Wild-fowl of Jamaica. < *Zoologist*, 2d ser., iii, 1868, p. 1433.
1868. BURMEISTER, H. Contributions to the Ornithology of the Argentine Republic and Adjacent Lands. Part I. < *P. Z. S.*, xxxvi, 1868, pp. 633-636.  
Since the publication of the author's "Systematisches Verzeichniss der in den La Plata-Staaten beobachteten Vögelarten" (*Journ. für Orn.*, 1860, pp. 241-268), and his "Reise durch die La-Plata-Staaten" (1861), he lived five years in Buenos Ayres, and, in studying the ornithology of the district, observed some new species, three of which (*Cynioidis boliviensis*, p. 633; *Poeygrubomphus albiventer*, p. 635; *Synallaxis sulphurifera*, p. 636) are now described, and notes on 11 others are given.—Title and part of the comment from *Zool. Rec.*
1868. COPE, E. D. The Birds of Palestine and Panama compared. < *American Naturalist*, ii, No. 7, Sept., 1868, pp. 351-359.  
Founded on the researches of Messrs. Tristram, Sclater, and Salvin.
1868. CUNNINGHAM, R. O. [Letters on South American Ornithology.] < *Ibis*, 2d ser., iv, 1868, pp. 122-129, 486-495.  
His first letter gives a general account of the birds met with on his voyage to Patagonia. His second letter describes briefly the localities visited, mentioning their chief ornithological features. (Another letter follows, *Ibis*, 1869, pp. 252-254.)
1868. GIEBEL, C. Einige neue und wenig bekannte argentinische Vögel. < *Zeitschr. für die gesammten Naturwissenschaften*, 1868, pp. 11-17.  
Notes on 4 species, 2 of which, *Eucarius tricolor* "Burm.", p. 11, and *Camplorhynchus pallidus* "Burm.", p. 13, appear to be described as new.—Not seen.
1868. PHILIPPI, R. A. Catálogo de las aves chilenas existentes en el Museo Nacional de Santiago, formado por su director don Rodolfo Armando Philippi. < *Anal. Univ. Chil.*, tomo xxxi, no 2º, Agosto de 1868, pp. 241-335.  
Prólogo, p. 241. Catálogo, pp. 242-292, el orden i la nomenclatura adoptada en la obra de Gay; 229 especies: las especies descritas como chilenas que faltan en el Museo con la señal 1869.—Aves chilenas descritas en la obra de Gay que faltan en el Museo ó que deben borrarse, pp. 292-294, 86 esp.—Aves chilenas no descritas en la obra de Gay, pero existentes en el Museo pp. 295-298, 55 esp.—El cuadro siguientes, pp. 299-319, indica cuales de las aves chilenas se hallan aun en los países limítrofes i otros países i cuales son peculiares a la República Chilena.—Apéndices: I, pp. 319, 320, Lista de algunos pájaros peruanos en el Museo. II, p. 320, Pájaros nuevos mendocinos descritos por Lundbeck. III, pp. 320-335, Observaciones críticas sobre algunas especies chilenas mencionas por diversos autores: 1. Harth, *Natur.*, p. 220 i siguientes; 2. Beit. zur Zool. gesammelt auf einer Reise um die Welt von Dr. F. L. F. Meyen, vierte Abth.; 3. Burmeister, Reise durch die La-Plata-Staaten; 4. Bibra, *Viaje*; 5. T. R. Peale, U. S. Exploring Expedition; 6. Tschudi, Beit. zur geogr. Verbreit. der Meeresvögel n. s. w.; 7. Hombon i Jaquinot; 8. Cassin, U. S. Naval Astron. Exped.; 9. Sclater, Notes on the Birds of Chile, *P. Z. S.*, March 25, 1867, p. 319 i sig.  
"Quedarían, pues, solo 193, nuestro catálogo de las especies chilenas existentes en el Museo abraza 229 especies ó si se quiere eliminar . . . siempre 224, i faltan al Museo una docena de aves de alta mar, que conocemos ser chilenas, de modo que el número de las aves chilenas se elevaria a unas 236 o 249."
1868. PHILIPPI, R. A. [Letter relating to certain Birds of Chili.] < *P. Z. S.*, xxxvi, 1868, pp. 531, 532.  
Contains a few corrections of previous paper (*P. Z. S.*, 1867, pp. 319, 320, notes), the principal one referring to two species of *Auantiidae*.



1863. SALVADORI, T. Intorno ad alcuni Uccelli di Costa Rica. < *Atti della R. Accad. delle Sci. di Torino*, iv, Dec., 1863, pp. 170-185, pl.  
23 spp.; none new. *Urospatha*, g. n., p. 179. The plate represents *Pheucticus tibialis*. Cf. *Zool. Rec.*, iv, p. 107; *Ibis*, 1869, pp. 222, 223.
1863. SCLATER, P. L. [Report on Lecompte's Expedition to the Falkland Islands.] < *P. Z. S.*, 1863, p. 526.
1863. SCLATER, P. L., and SALVIN, O. List of Birds collected in the Straits of Magellan by Dr. Cunningham, with remarks on the Patagonian Avifauna. < *Ibis*, 2d ser., iv, 1863, pp. 183-189.  
Briefly bibliographical. List of Patagonian *Passeres* (30 spp.); 61 specimens, referable to 44 spp.—Continued, *Ibis*, 1869, pp. 283-286.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidae, Strigidae, and Columbidae. < *P. Z. S.*, xxxvi, 1863, pp. 53-60, pl. v, woodce.  
*Dendrocincla ruficeps*, p. 54; *Dendrocolaptes puncticeollis*, p. 54, pl. v, woodce.; synopses of these genera; *Syrnium fulvescens*, p. 58; *Scops barbarus*, p. 56, woodce.; synopsis of 7 spp. of *Scops*; *Leptoptila plumbeiceps*, *L. cerviniventris*, p. 59, with synopsis of 8 spp. of the genus.
1863. SCLATER, P. L., and SALVIN, O. List of Birds collected at Conchitas, Argentine Republic, by Mr. William H. Hudson. < *P. Z. S.*, xxxvi, 1863, pp. 137-146.  
96 spp. briefly annotated; 14 additional to those of Burmeister's 'Reise', q. v., 1856.
1863. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering.—Part I. < *P. Z. S.*, xxxvi, 1863, pp. 165-172, pl. xiii, woodce.  
126 spp., in tabular form showing geographical distribution, and critical commentary on some of them. *Basileuterus griseiceps*, p. 170, *Euscarthmus impiger*, p. 171, woodce. pl. xiii, f. 1; *Sublegatus* (g. n.) *glaber*, p. 171, pl. xiii, f. 2, woodce., p. 172, spp. nn.
1863. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whitely. Part II. < *P. Z. S.*, xxxvi, 1863, pp. 173-178, woodce.  
Continued from *P. Z. S.*, 1867, pp. 982-991.—A list of a collection made in the Tambo Valley, including 28 spp., none of which are new; but valuable critical notes are appended, and woodcuts of the heads of 2 spp., belonging to *Tanagridae* (?) and *Rallidae* (*Fulica chilensis*), are introduced.—Continued, *P. Z. S.*, 1868, pp. 568-570.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidae, Oxyrhamphidae, Bucconidae, and Strigidae. < *P. Z. S.*, xxxvi, 1863, pp. 322-329, pl. xxix.  
*Peucea notosticta*, sp. n., p. 322, with list of 5 spp. *Zonotrichia quinquestrata*, p. 323, sp. n. List of 5 spp. of *Pyrgisoma*. *Oxyrhamphus frater*, p. 326, sp. n. *Monasa grandior*, p. 327, sp. n. *Gymnoglaux laerencei*, p. 328, pl. xxix, with synonymy of 2 spp. of this genus.
1863. SCLATER, P. L., and SALVIN, O. Descriptions of Four New Species of Birds from Veragua. < *P. Z. S.*, xxxvi, 1863, pp. 388-390.  
*Pyrranga testacea*, p. 388; *Chlorospingus hypophæus*, *Leptotriccus superciliaris*, *Eupherusa egregia*, p. 389.
1863. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. H. Whitely. Part III. < *P. Z. S.*, xxxvi, 1863, pp. 568-570.  
Continued from *P. Z. S.*, 1863, pp. 173-178.—A list of a small collection of 11 spp. made near Arequipa; with a nominal list of 83 spp. procured by Mr. Whitely in Western Peru.—Continued, *P. Z. S.*, 1869, pp. 151-159.
1863. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering.—Part II. < *P. Z. S.*, xxxvi, 1863, pp. 629-632.  
Nominal list of 99 spp., with commentary on 13 of them. *Myiarchus erythroercus*, p. 631; *Heteropelma stenorhynchum*, p. 632, spp. nn.
- 1863-69. LAWRENCE, G. N. A Catalogue of the Birds found in Costa Rica. < *Ann. Lyc. Nat. Hist. New York*, ix, 1863, pp. 86-149 (pp. 86-141, Apr., 1863; pp. 141 bis-149, Feb., 1869).

Based upon the collections received by the Smithsonian Institution, supplemented by information received from other sources, and includes notices of 474 spp. of land-birds, of which 12 (belonging to *Trogonidae*, *Formicariidae*, *Dendrocolaptidae*, *Tyrannidae*, *Mniotiltidae*, *Tanagridae*, *Columbidae*, and *Tinamidae*) are described as new, while a thirteenth (*Trochilidae*) may be so. In the introductory remarks, the author gives a summary of previous writings

## 1868-69. LAWRENCE, G. N.—Continued.

on Costa Rican ornithology, and three lists, the first two of species noted from Chiriqui and Veragua, respectively, which may be found in Costa Rica, and the third of northern species obtained in Panama, but not yet observed in the country of which the paper treats. The remainder of the paper is devoted to the catalogue, which, in the great majority of cases, gives only the name of the species and of the locality where it has been obtained. (Cf. *Ibis*, 1869, pp. 110, 222, and especially O. Salvin. *Ibis*, 1869, pp. 310-319, for extended and elaborate criticism.)—(Above paragraph mostly from *Zool. Rec.*, 1868, p. 55.)

*Basileuterus melanotis*, p. 95; *Phenicothraupis carmoli*, p. 100; *Synallaxis ruficeps*, p. 105; *Myrmotherula modesta*, p. 108; *Micropetes olivaceus*, p. 111; *Rhynchoeolus griseiventris*, p. 112; *Trogon bairdii*, p. 119; *Chloroceryle americana*, p. 135; *Geothlypis castaneiceps*, *C. cuculiceps*, p. 136; *Leptoptila riottii*, p. 137; *Tinamus frontalis*, p. 140; *Pogonotriccus? zelodonta*, p. 144, spp. un. 311 spp. Much critical commentary.

## 1865-70. PELZELN, A. V. Zur Ornithologie Brasiliens. Resultate von Johann Natterers Reisen in den Jahren 1817 bis 1835. Dargestellt von August von Pelzel. Custos am k. k. zoologischen Cabinet in Wien, Mitglied der kais. Leopold. Carol. Academie der Naturforscher, Ehrenmitglied der British Ornithologist's Union n. s. w. — Wien. Druck und Verlag von A. Pichler's Witwe &amp; Sohn. 1871 [i. e. 1868-1870]. 1 vol. 8vo. 4 p. ll., pp. i-lx, 1-462, 9 ll. (Zusätze und Index). 2 maps.

Published in 4 parts, at different dates, as follows: I. Abth., 1868, map, 3 p. ll., pp. i-lx, 1-68. II. Abth., 1869, pp. 69-188. III. Abth., 1870, pp. 189-390. IV. Abth., "1871" [i. e. 1870], pp. 391-462, 9 ll., general title-page, map.—The date of the concluding part is ostensibly in question: for the date on the cover-title of the part itself is 1871, but the back of the general title-page of the work gives it as 1870, and a note on the cover-title of Part III announces: "Die vierte (Schluss-) Abtheilung erscheint Anfangs des Jahres 1870." The actual date is 1870.

Inhalt:—ABTH. I. 1868. Vorwort, 2 p. ll. Itinerarium von Natterer's Reisen in Brasilien, von 1817 bis 1835, pp. i-xx. Tabellarische Uebersicht der von Natterer in Brasilien gesammelten Arten nach ihrer Verbreitung in den wichtigsten Faunengebieten, pp. xxi-lx (1238 spp.). *Accipitres* und *Passeres Fissirostris* et *Trochilostres*, pp. 1-49 (78 + 99 + 177 = 354 spp.). Beschreibung neuer oder wenig gekannter Arten, pp. 49-68. *Streptopelia caudicatus* N., p. 49; *S. longirostris* P., p. 52; *S. platina* N., p. 53 (Diagnosen dieser drei Arten finden sich in den P. Z. S., 1866, pp. 588, 589); *Antrostomus cortagayana* N., p. 53; *Chaetura selateri* P., p. 56; *Thalassidroma iodensis* N., p. 57; *Cephalolepis hesleri* P., p. 58; *Sittacus stictoloma* P., p. 59; *Dendrocincla fulvicauda* N., *D. minor* P., p. 60; *Dendrocygna pallasi* P., p. 61; *D. concolor* P., p. 62; *Piccolaptes fuscicapillus* P., *Dendrocincla elegans* P., p. 63; *Dendrocygna similis* N., p. 64; *Cypripetris (Microcerberus) cinereus* N., p. 65; *Thryothorus minor* P., p. 66; *Olanthorhynchus* (Pelz., g. n.), *cinereus* N., p. 67.—ABTH. II. 1869. *Passeres Dentirostris*, pp. 69-136 (371 spp.). Beschreibung neuer oder wenig gekannter Arten, pp. 136-188. *Myiophobus hypoleucanthus* P., p. 136; *Basileuterus leucophrys* N., *Cyclorhynchus wiedii* P., p. 137; *Thamnophris unduliger* P., p. 139; *T. bohai* P., p. 140; *T. tschudi* P., *T. moerhousi* P., p. 141; *T. cinereoniger* P., p. 143; *T. sticturus* P., p. 144; *T. cinereiceps* P., *T. cinereinucha* P., p. 145; *T. stictocephalus* P., *T. punctuliger* P., p. 146; *T. pallidus* P., *T. saturninus* P., p. 147; *T. incertus* P., *Dysithamnus* P., p. 149; *Heterophonus atricapillus* N., *H. longirostris* N., p. 150; *H. dorsimaculatus* N., p. 151; *Myrmotherula assimilis* P., p. 152; *M. luctuosa* (Temm. msc.), *M. longipennis* P., p. 153; *Formicivora melanogaster* N., p. 154; *F. leucophthalma* P., *F. ruficauda* N., p. 155; *F. bicolor* N., p. 156; *Tercara melanoleuca* N., *Rhinophocæus collaris* N., p. 157; *Cerconaxia approximans* P., *C. ruficauda* P., p. 158; *Peronaxia minor* P., p. 159; *P. leucostigma* (Natt. et Lafres. msc.), p. 160; *Sceloporus ruficapillus* N., *Heterocercus albiventris* P., p. 161; *Myrmeciza* [sic] *squamosa* N., p. 162; *Hypocnemis flavescens* (N.) Schl., p. 163; *H. maculicauda* P., p. 164; *H. margaritifera* P., p. 165; *Ptilopus cristatus* N., p. 166; *P. griseiventris* P., *Phlogopsis erythroptera* (Gould), p. 167; *Grallaria imperator* N., *Attila validus* P., p. 169; *A. ruficapillus* P., p. 170; *A. phoeniceus* N., p. 171; *Todirostrum guttatum* P., p. 172; *Euscarthmus zosterops* P., *E. latirostris* P., *E. senex* P., p. 173; *E. inornatus* P., *Haplocheirus rufomarginatus* P., p. 174; *Phyllonaxias subridens* N., p. 175; *P. lividus* (Temm. msc.), *Elanoides spectabilis* P., p. 176; *E. cristatus* P., *E. albertus* P., p. 177; *E. parvirostris* [sic—loge-rostris] P., p. 178; *E. elegans* P., *E. ruficeps* P., p. 179; *E. littoralis* N., *E. cinerea* P., p. 180; *Rhynchoeolus assimilis* P., *Pitangus parvus* P., *Empidonax pusillus* P., p. 181; *Myiarchus cantans* P., *M. tricolor* N., p. 182; *M. gracilirostris* P., *Tityra (Eratoria) leucura* N., p. 183; *Lipaugus virens* N., p. 184; *Heteropelma rufum* N., *H. cinereocephalum* P., p. 185; *Heterocercus flavivertex* P., *Pipra opalifera* P., p. 186; *P. virens* P., p. 187.—ABTH. III. 1870. *Passeres Conirostris*, *Scansores*, *Columbae*, *Gallinae*, *Struthionae*, *Grallae*, *Anserae*, pp. 189-326. Beschreibung neuer oder wenig gekannter Arten, pp. 326-344. *Leistes erythrorhynchus* N., p. 326; *Euphonia ochraceus* P., *Tachyphonus nattereri* P., p. 328; *Orizoborus? fringilloides* P.,

## 1868-70. PELZELN, A. V.—Continued.

p. 329; *Spermophila supercilialis* N., p. 339; *S. cabotianus* N., *S. melanops* N., p. 331; *S. melanogaster* N., *Haplospiza? crassirostris* N., p. 332; *Sycaea citrina* N., p. 333; *Picumnus aurifrons* N., *P. borbae* P., p. 334; *P. leucogaster* N., *P. fuscus* N., p. 335; *Peristera cyanopsis* N., p. 336; *Leptoptila reichenbachii* P., *Penelope ochrogaster* N., p. 337; *P. boliviana* "Reich.", p. 339; *P. pileata* "Licht.", p. 340; *P. nigricapilla* "Gray", p. 341; *Crax pinima* N., p. 341; *C. mikani* P., p. 343. Betrachtungen über die ornithologische Fauna Brasiliens, pp. 344-390.—ABTH. IV, 1870. Fundorte der Vögel Brasiliens nach den hauptsächlichlichen Quellen, pp. 391-462; Summa der in Brasilien beobachteten Arten, 1680.—Zusätze.—Index.

The work also includes a disquisition on the faunal divisions of Brazil as determined from its *Ornis*. Four subregions are laid down, and mapped, with tabular exhibits of their characteristic species. These are termed the Columbian, Amazonian, South Brazilian, and Chileno-Patagonian. The summary list of 1,680 Brazilian species is compiled from various sources, as Maximilian, Spix, Burmeister, and Wallace.

Cf. *Zeitschr. f. d. ges. Naturw.*, 1867, p. 537; *Ibis*, 1868, pp. 226, 227; 1869, pp. 113-117; 1870, pp. 272-274; *Zool. Gart.*, 1868, p. 40; *Zool. Rec.*, v, pp. 55, 56; vi, p. 51.

John Natterer has been called a model traveler, and the most energetic and successful ornithological collector that ever lived. He explored Brazil from 1817 to 1835, securing 12,293 bird-skins, beautifully prepared and fully labelled, representing about 1,200 spp., besides registering various additional items of information. He died in his prime, on his return to Europe, leaving his collection, almost untouched, in the Imperial Cabinet of Zoology at Vienna. For nearly thirty years little was done to render his labors available in the cause of science, though instances of "Natt. MSS." were of not infrequent occurrence in different quarters. Upon the accession of Pelzel to the charge of the collection, he began to work upon the material, and publish the results, with selections from Natterer's MSS. His numerous papers, which were received with favor, may be considered preliminary to the present work, which undertakes a complete exposition of Natterer's labors and results."

1869. BISHOP, N. H. The Pampas and Andes. | — | A | Thousand Miles' Walk | across | South America. | By | Nathaniel H. Bishop. | — | With an Introduction | by | Edward A. Samuels, Esq., | author of "Ornithology and Oölogy of New England," | etc., etc. | — | Boston: | Lee & Shepard. | 1869. 1 vol. 8vo. 1 p. l., pp. 310.

Slightly ornithological *passim*.

1869. CUNNINGHAM, R. O. [Letter on Birds seen in the Straits of Magellan.] < *Ibis*, 2d ser., v, 1869, pp. 232-234.

Two earlier letters appeared in *Ibis*, 1868, pp. 122-129, 486-495.

1869. FRANTZIUS, A. V. Ueber die geographische Verbreitung der Vögel Costaricas und deren Lebensweise. < *J. f. O.*, xvii, 1869, pp. 195-204, 289-318, 361-379.

The natural and proper complement to Cabanis's technical articles upon the same avifauna in *J. f. O.*, 1861-69, q. v. 518 spp. known to him as Costa Rican, with occasional notes on them. The paper has special reference to Lawrence's *Catalogue*, 1868-69, q. v. Cf. *Salvin, Ibis*, 1870, pp. 107-116.

1869. GOERING, A. Excursion a algunas cuevas hasta ahora no exploradas (al sureste de Caripe). < *Vargasia*, No. 5, 1869, pp. 124-125.

Contains an account of *Steatornis caripensis*. (Cf. *Ibis*, 1870, p. 522.)

1869. HABEL, Dr. —. [Exhibition of some Birds from the Galapagos Islands.] < *P. Z. S.*, xxxvii, 1869, p. 433.

The collection contained about 70 spp., some supposed to be new, but no particulars are given. Cf. *Comptes Rendus*, lxi, pp. 273-277; *P. Z. S.*, May, 1870, pp. 322-327.

1869. LAWRENCE, G. N. List of a Collection of Birds from Northern Yucatan. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 198-210.

103 spp.—*Contopus schottii*, p. 202; *Zenaidura macroura*, p. 207, spp. nm. Cf. *Ibis*, 1870, p. 280; *Zool. Rec.*, 1869, p. 50.

1869. LAWRENCE, G. N. Catalogue of Birds from Puna Island, Gulf of Guayaquil, in the Museum of the Smithsonian Institution, collected by J. F. Reeve, Esq. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 234-238.

*Turdus reveri*, p. 234; *Thryothorus superciliosus*, p. 235; *Empidonax griseiceps*, p. 236; *Contopus punensis*, p. 237, spp. nm.—21 spp. Cf. *Ibis*, 1870, p. 281.

1869. LAWRENCE, G. N. Characters of some New South American Birds, with Notes on other rare or little known species. < *Ann. Lyc. Nat. Hist. New York*, ix, 1869, pp. 265-275.  
*Turdus hawzei*, p. 265; *Ochthoeca rufomarginatus*, *Meocerculus uropygialis*, p. 266; *Pogonotriccus plumbeiceps*, *Myiozetetes rufipennis*, p. 267; *M. inornatus*, p. 268; *Lesbia ortonii*, p. 269; *Accipiter nigroplumbeus*, p. 270, spp. nn. Cf. *Ibis*, 1870, p. 281.
1869. LAWRENCE, G. N. Description of Seven New Species of American Birds from various localities, with a note on *Zonotrichia melanotis*. < *Proc. Acad. Nat. Sci. Phila.*, xx, 1-68 [pub. 1869], pp. 359-362.  
*Dendroeca capitalis*, p. 359; *Tachyphonus atricapillus*, p. 359; *Quiscalus fortirostris*, p. 360; *Thamnophilus virgatus*, p. 361; *Pipra (?) cinamomea*, p. 361; *Rhynchocephalus marginatus*, p. 361; *Harporagus fasciatus*, p. 361. Cf. *Ibis*, 1870, p. 289.
1869. ROGERS, H. Natural-History Notes from Rio. < *Zoologist*, 2d ser., iv, 1869, pp. 1923, 1925.
1869. SALVIN, O. Notes on Mr. Lawrence's List of Costa-Rica Birds [in *Ann. Lyc. Nat. Hist. N. Y.*, ix, pp. 86-149]. < *Ibis*, 2d ser., v, 1869, pp. 310-319.  
A detailed critical commentary. Makes 13 different determinations, expunges 14 spp., and adds 13 others—49 changes in 474 spp. This article relates only to the first portion of Mr. Lawrence's catalogue, the Land Birds.—Continued in *Ibis*, 1870, pp. 107-116, q. r.
1869. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. With Notes on their Habits; by Prof. W. Nation, of Lima. (Part III.) < *P. Z. S.*, xxxvii, 1869, pp. 146-148, pl. xii.  
Continued from *P. Z. S.*, 1867, p. 344.—13 spp. The pl. represents *Neorchinchus* (g. n.) *naseus* (lettered *naseus* on the pl.).—Continued, *P. Z. S.*, 1871, pp. 496-498.
1869. SCLATER, P. L., and SALVIN, O. Second [cf. *Ibis*, 1868, p. 153] List of Birds collected during the Survey of the Straits of Magellan, by Dr. Cunningham. < *Ibis*, 2d ser., v, 1869, pp. 283-286.  
33 spp. Note on *Zonotrichia canicapilla* and synonymy and diagnostic notice of *Phrygilus guyi* and *P. olivaceus*.—Continued, *Ibis*, 1870, pp. 499-504.
1869. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part IV. < *P. Z. S.*, xxxvii, 1869, pp. 151-158, pl. xiii.  
Cf. *P. Z. S.*, 1867, p. 982; 1868, pp. 173, 568. 46 spp. *Saltator latidorsus*, p. 151; *Poospiza ceras*, p. 152, pl. xii; *Agelaius inodorus*, p. 153; *Centurus arcus*, p. 174, spp. nn. Critical and field-notes.—Continued, *P. Z. S.*, 1869, pp. 595-601.
1869. SCLATER, P. L., and SALVIN, O. Second List of Birds collected at Couchitas, Argentine Republic, by Mr. William H. Hudson; together with some notes upon another Collection from the same locality. < *P. Z. S.*, xxxvii, 1869, pp. 158-162.  
Cf. *P. Z. S.*, 1868, p. 137. 14 spp. in one coll., 10 in the other; with critical notes.
1869. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part III. < *P. Z. S.*, xxxvii, 1869, pp. 250-254, pl. xviii.  
Cf. *P. Z. S.*, 1868, p. 165, 626. Sketch of locality: nominal list of 56 spp., with notes on 9 of them. *Brachygalba goeringi*, p. 253, pl. xviii, sp. n.—Continued, *P. Z. S.*, 1870, pp. 779-788.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopaciidæ. < *P. Z. S.*, xxxvii, 1869, pp. 416-420, pl. xxvi i.  
*Calliste florida*, p. 416, pl. xxviii; *Synalaxis arquipar*, *Guanoricichla chiloleuca*, p. 417; *Grallaria priaceps*, p. 418 (with list of 6 spp.); *Contopus ochraceus*, *Gallinago imperialis*, p. 419.
1869. SCLATER, P. L., and SALVIN, O. On two new Birds collected by Mr. E. Bartlett in Eastern Peru. < *P. Z. S.*, xxxvii, 1869, pp. 437-439, pl. xxx.  
*Neopipo* (g. n.) *rubicundus*, p. 438, pl. xxx, f. 3; *Euphonia chrysogaster*, p. 438, pl. xxx, figg. 1, 2.
1869. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely.—Part V. < *P. Z. S.*, xxxvii, 1869, pp. 596-601.  
Continued from *P. Z. S.*, 1869, pp. 151-158.—42 spp. from Cosnipata, 4 annotated; about 57 from Tinta, 13 of which are annotated as additional to former lists. *Ochthoeca polionota*, p. 599; *Merganetta turneri*, p. 600, spp. nn.

1869. SCLATER, P. L., and SALVIN, O. Third List of Birds collected at Conchitas, Argentine Republic, by Mr. William H. Hudson. <P. Z. S., xxxvii, 1869, pp. 631-636.  
Cf. P. Z. S., 1868, p. 137; 1869, p. 158. 92 spp., with remarks on 34 of them.
1869. STERNBERG, C. Notizen aus der Vogelwelt von Buenos-Ayres. <J. f. O., xvii, 1869, pp. 174-193, 257-278.  
Lebensweise—35 spp.
- 1869? SUNDEVALL, C. J. Foglarne på ön St Barthelémy, efter de af Dr. A. von Goës hemsända samlingarna bestående af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förh., 1869, pp. 379-391.  
47 spp. Some new "Stirpes" are indicated.—Compare 1870?, same author.
- 1869? SUNDEVALL, C. J. Foglarne på ön Portorico, efter Hr Hjalmarsons insamlingar framställda af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förh., 1869, pp. 593-603.  
90 species.—Compare 1870?, same author.
1870. ERNST, A. Apuntes para la fauna ornitologica de Venezuela. <Vargasia, núm. 7, 1870, pp. 195-198, con una lámina.  
Estracto de las publicaciones de P. L. Sclater y O. Salvin sobre las colecciones de pájaros venezolanos hechas por Antonio Goering: Proc. Zool. Soc. 27 de Febrero (p. 165) y 10 de Diciembre (p. 626) de 1868 y 22 de Abril (p. 250) de 1869. Lám., *Brachygalba goeringi*, *Sublagatus glaber*, *Euscarthmus impiger*.
1870. FISCH, O. On a Collection of Birds from the Island of Trinidad. <P. Z. S., xxxviii, 1870, pp. 552-589.  
115 spp., critically annotated. The article includes local synonymy and review of previous labors (especially Léotaud's) upon the same subject. *Spermophila lessoni*, sp. nov., p. 582. About 350 spp. are known to occur in Trinidad.
1870. HOLTZ, LUDWIG. Beschreibung südamerikanischer Vögel-Eier. <J. f. O., xviii, 1870, pp. 1-24, pl. i.  
Supplementary to C. Sternberg's articles on Birds of Buenos Ayres in J. f. O., 1869, pp. 174-193, 257-278. Eggs of 46 spp. described. Those of *Molobrus sericeus* (fig. 1) and *M. badius* (fig. 2) figured, as well as those of *Opisthocornus cristatus* (fig. 3).
1870. HUDSON, W. H. [First Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 87-89.  
The beginning of a series of 12 letters, giving miscellaneous information upon the subject.
1870. HUDSON, W. H. [Second Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 112-114.
1870. HUDSON, W. H. [Third Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 158-160.
1870. HUDSON, W. H. [Fourth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 332-334.
1870. HUDSON, W. H. [Fifth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 545-547.
1870. HUDSON, W. H. [Sixth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 548-550.
1870. HUDSON, W. H. [Seventh Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 671-673.
1870. HUDSON, W. H. [Eighth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 748-750.
1870. HUDSON, W. H. [Ninth Letter on the Ornithology of Buenos Ayres.] <P. Z. S., xxxviii, 1870, pp. 798-802.  
For Letters 10-12 see 1871, same author.
1870. NEWTON, A. Additional Note on the Nests and Eggs collected by Dr. Cunningham. <Ibis, 2d ser., vi, 1870, pp. 501-504.  
The nests or eggs of 15 spp. of South American birds are described.

1870. REINHARDT, J. Bidrag til Kundskab om Fuglefaunaen i Brasiliens Campos. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn*, 1870, pp. 1-124, 315-457, pl. viii. *Elaenia lundii*, p. 344, pl. s. f. 1; *Myiopatris superciliaris* (Lund), p. 346, pl. s. f. 2, spp. nn.
1870. REINHARDT, J. Bidrag til Kundskab om Fuglefaunaen i Brasiliens Campos. Kjöbenhavn, 1870. 8vo. pp. 1-267, pl. viii.  
Based on collections of the author and P. W. Lund in 1833-35, in the Brazilian Provinces of São Paulo, Goyaz, and Minas Geraes. Annotated list of 393 spp. *Elaenia lundii*, p. 154, pl. viii, and *Myiopatris superciliaris*, p. 156, pl. viii, spp. nn.—*Cf. Jour. de Zool.*, i. 1872, pp. 75-77.
1870. SALVIN, O. Additional Notes on Mr. Lawrence's List of Costa-Rica Birds. < *Ibis*, 2d ser., vi. 1870, pp. 107-116.  
Continued from *Ibis*, 1869, pp. 310-319, q. v.—Adds 19 spp. to Lawrence's List. Contains much criticism, and includes a synonymic synopsis of three species of *Capito*, important as showing that the opposite sexes of each had generally been rated as different species.
1870. SALVIN, O. On some Collections of Birds from Veragua.—Part II. < *P. Z. S.*, xxxviii, 1870, pp. 175-219, pl. xvii (map).  
*Cf. P. Z. S.*, 1867, pp. 129-161, which gave 216 spp. In this paper are 216 more, making the whole avifauna 432.—*Thryothorus semibadius*, p. 181; *Empidonax atriceps*, p. 198; *Chiroama-chæris aurantiaca*, p. 200; *Androstramon saturatus*, p. 203; *Chactura fumosa*, p. 204; *Lophornis adorabilis*, p. 207; *Selasphorus torridus*, p. 208; *S. ardous*, p. 209; *Chloronotus simplex*, p. 212; *Melanerpes chrysaceus*, p. 213, spp. nn. The paper gives a general summary of the avifauna, and much critical matter on the characters and distribution of the species.
1870. SLATER, P. L. On some new or little-known Birds from the Rio Paraná. < *P. Z. S.*, xxxviii, 1870, pp. 57, 58, pl. iii, with cut.  
Various species mentioned. *Caipolegus cinereus*, sp. n., p. 58, woodc.; *Coraphistera alaredina*, p. 57, pl. iii.
1870. SLATER, P. L. Notices of some new or little-known Species of South-American Birds. < *P. Z. S.*, xxxviii, 1870, pp. 328-330.  
*Phylloscopus consobrinus*, p. 328; *Melanerpes pulcher*, p. 330, spp. nn.—Synopsis of 2 spp. of *Chactura*; *Chactura beakyecca*, p. 329; *Thryothorus rufiventris* "Nutt.", p. 328.
1870. SLATER, P. L., and SALVIN, O. Third [cf. *Ibis*, 1869, p. 283] List of Birds collected, during the survey of the Straits of Magellan, by Dr. Cunningham. With additional Note by A. Newton. < *Ibis*, 1870, 2d ser., vi, pp. 499-504.  
33 spp., with notes on 3 of them. The article includes "Additional note on the Nests and Eggs collected by Mr. Cunningham. By the Editor" (A. Newton). 15 spp. are described.
1870. SLATER, P. L., and SALVIN, O. Characters of new Species of Birds collected by Dr. Habel in the Galapagos Islands. < *P. Z. S.*, xxxviii, 1870, pp. 322-327, woodc.  
*Certhidea fusca*, p. 324, fig. 1; *Camachyachus variegatus*, p. 324, fig. 2; *C. habeli*, p. 325, fig. 3; *C. prosthemus*, p. 325, fig. 4; *Cactornis abingdoni*, p. 326, fig. 5; *Cactornis pallida*, p. 327, fig. 6; *Nycticorax purpurea*, p. 327, spp. nn. List of 37 spp. collected.
1870. SLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part IV. < *P. Z. S.*, xxxviii, 1870, pp. 779-788, pl. xvi, xvii.  
Continued from *P. Z. S.*, 1869, pp. 250-254.—Nominal list of 106 spp., with notes on many of them. *Scotaphaga albifrons*, *Diglossa gloriosa* (pl. xvi, f. 1), *Chlorospingus goeringi* (pl. xvi, f. 2), p. 784; *Buacramon merula*, p. 785; *Grallaria griseonucha*, *Oethoeca superciliosa*, p. 786; *O. nigrita*, *Conurus rhodoccephalus*, p. 787; *Urochroma debetissima*, pl. xvii, p. 788, spp. nn.
1870. SLATER, P. L., and SALVIN, O. On Birds collected by Mr. George M. Whitely on the Coast of Honduras. < *P. Z. S.*, xxxviii, 1870, pp. 835-840.  
135 spp., a few of which are annotated.
1870. SLATER, P. L., and SALVIN, O. Descriptions of five new Species of Birds from the United States of Columbia. < *P. Z. S.*, xxxviii, 1870, pp. 840-844, pl. liii.  
*Phæticus viregularis*, *Synallaxis ayatti*, p. 840; *Tyranniscus leucogomys*, pl. liii, f. 1; *T. improbus*, f. 2; *T. griseiceps*, f. 3, p. 841; *Trogon chinamensis*, p. 843. Synopsis of 9 spp. of the genus *Tyranniscus*.
- 1870? SUNDEVALL, C. J. Foglarne på ön St Barthelémy, efter de af Dr A. von Goës hemsände samlingarna bestående af Carl J. Sundevall. < *Öfvers. Konigl. Vetensk.-Akad. Förhandl. för år 1869*, 1870?, pp. 579-591.  
Treating 47 spp. at greater or less length, after a notice of the general subject.—Diagnosis of 3 spp. of the genus *Phaethon*.—Compare 1869?, same author.

- 1870? SUNDEVALL, C. J. Föglarne på ön Portorico, efter Hr Hjalmarsons insamlningar framställda af Carl J. Sundevall. <Öfvers. Konigl. Vetensk.-Akad. Förhandl. för år 1869, 1870?, pp. 593-604.

Treats of upward of 100 spp. Interspersed with the notes on the collection are many critical observations in the author's well-known quiet and pithy style.—Compare 1869?, same author.

1871. BELLO Y ESPINOSA. — Zoologische Notizen aus Puerto Rico von Herrn Bello y Espinosa daselbst. Nach dem Spanischen frei bearbeitet von Herrn E. von Martens in Berlin. <Der Zoolog. Garten, 1871, pp. 348-351.

Von der Classe der Vögel sind 64 Arten bekannt.

1871. CUNNINGHAM, R. O. Notes on the Natural History of the Strait of Magellan and West Coast of Patagonia made during the voyage of H. M. S. 'Nassau' in the years 1866, 67, 68, & 1869 | By Robert O. Cunningham, | M. D., F. L. S., etc. | Naturalist to the Expedition | With Map and Illustrations | Edinburgh | Edmonston and Douglas | 1871 | All rights reserved. 1 vol. 16mo. pp. i-xviii, 1-517. 22 illust., some colored.

Ornithological matter *passim*. Previous publication of much of the author's material is found in *Ibis*, 1868, p. 183; 1869, p. 283; and 1870, p. 499; and in his letters to the same journal, *qq. vv. supra*.—Fig. 6, head of Steamer Duck (*Micropterus*).

1871. CUNNINGHAM, R. O. On the Terrestrial and Marine Fauna of the Strait of Magellan and Western Patagonia. <Rep. Brit. Ass. Adv. Sci. for 1870, 1871. (Misc. Comm.), p. 114.

Mere allusions to a few birds.

1871. HAMILTON, J. F. Notes on Birds from the Province of São Paulo, Brazil. <*Ibis*, 3d ser., i. 1871, pp. 301-309.

Field-notes on 45 spp. observed in the spring of 1869.

1871. HUDSON, W. H. [Tenth Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 4-7.

For Letters 1-9, see 1870, same author.

1871. HUDSON, W. H. [Eleventh Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 257-262.

1871. HUDSON, W. H. [Twelfth Letter on the Ornithology of Buenos Ayres.] <*P. Z. S.*, xxxix, 1871, pp. 326-329.

1871. JULIET, C. Exploracion científica practicada por orden del Supremo Gobierno i segun las instrucciones del doctor don R. A. Philippi, . . . <*Anales Univ. Chile*, tomo xli. ent. de julio 1871, pp. 81-165, pll.

A few birds are mentioned here and there in running narrative. The illustrations do not relate to birds.

1871. LAWRENCE, G. N. Descriptions of New Species of Birds from Mexico, Central America, and South America, with a Note on *Rallus longirostris*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 1-21.

*Harporhynchus graysoni* Baird, MS., p. 1; *Cistothorus acquatorialis*, p. 3; *Troglodytes insularis* Bd. MS., p. 3; *Parula inularis*, p. 4; *Haemophila sumichrasti*, p. 6; *Pipilo carmani*, p. 7; *Attila cinamomeus*, p. 8; *Todirostrum superciliaris*, p. 9; *Elainea maculrainii*, p. 10; *Empidonax fulviceptus*, *Trogon eximius*, p. 11; *Chlorostilbon caribaeus*, p. 13; *Conurus holochlorus* var. *brevipennis* Bd. MS., p. 14; *Leptoptila bonapartii*, p. 15; *Zenaidura graysoni* Bd. MS., p. 17; *Vireosylbia magister* Bd. MS., p. 20. Interesting field-notes of Col. A. J. Grayson's accompany several of the species. The note on *Rallus longirostris* states that with this species *R. crassirostris* Lawr. from Bahia agrees, it being apparently different from *R. crepitans* Gm.

1871. LAWRENCE, G. N. Descriptions of three New Species of American Birds, with a Note on *Engenes spectabilis*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 137-149.

*Mimus nigricoloris*, p. 137 (Mexico); *Buarremon sordidus*, p. 138 (Bogotá); *Serpophaga grisea*, p. 139 (Costa Rica). Distinctness of *E. spectabilis* reiterated.

1871. ORTON, J. Contributions to the Natural History of the Valley of Quito.—No. I. <*Amer. Nat.*, v. No. 10, Oct., 1871, pp. 619-626.

Birds, pp. 623-626.—Annotated list of 184 spp., 38 of which are believed to be confined to the valley; followed by general remarks on geographical distribution.

1871. ORTON, J. Notes on some Birds in the Museum of Vassar College. < *Amer. Nat.*, iv, No. 12, Feb., 1871, pp. 711-717.  
Observations on 50 or more spp., the greater part of the notes relating to neotropical birds. At time of writing, Vassar College contained nearly 1,200 spp., of which about 700 were N. and 600 S. American; among them several type-specimens, and others of interest as the originals of Audubon's plates.
1871. ORTON, J. On the Condors and Humming-birds of the Equatorial Andes. < *Ann. Mag. Nat. Hist.*, (4), viii, 1871, pp. 185-192.
1871. ORTON, J. The Vultures and Humming Birds of Tropical America. < *Canad. Nat. & Quart. Journ.*, n. s., v, 1871, pp. 357-360.  
Abstract of his paper in *Amer. Nat.*
1871. SCLATER, P. L. On the Land-birds of Juan Fernandez. < *Ibis*, 3d ser., i, 1871, pp. 178-183, pl. vii.  
Sketch of the islands: 6 spp., with comment. Pl. vii, f. 1, *Anæretes fernandezianus*; f. 2, *Oxyurus masafuerce*.
1871. SCLATER, P. L. The Birds of the Lesser Antilles. < *Nature*, iv, 1871, pp. 473- —.  
Not seen.
1871. SCLATER, P. L. [Extracts from Correspondence with Mr. G. W. des Vœux concerning the expediency of introducing *Secretarius reptilivorus* or *Dacelo gigas* for destruction of the Rat-tailed Serpent of Santa Lucia (*Trigonocephalus lanceolatus*).] < *P. Z. S.*, xxxix, 1871, pp. 2-4.
1871. SCLATER, P. L. On the Birds of the Island of Santa Lucia, West Indies. < *P. Z. S.*, xxxix, 1871, pp. 263-273, pl. xxi.  
Summary of Antillean avifauna; 25 spp., variously annotated. *Icterus laudabilis*, pl. xxi, p. 270.
1871. SCLATER, P. L. On the Birds of the Vicinity of Lima, Peru. . . . With Notes on their Habits; by Prof. W. Nation, of Lima, C. M. Z. S.—Part IV. < *P. Z. S.*, xxxix, 1871, pp. 496-498, fig.  
Continued from *P. Z. S.*, 1869, p. 148. —5 spp. *Euscarthmus fulviceps*, p. 497, fig., sp. n.
1871. SCLATER, P. L. Remarks on a Collection of Birds from Oyapok [Cayenne]. < *P. Z. S.*, xxxix, 1871, pp. 749, 750.  
*Oehlthoeca murina*, p. 749; *Heteropelia igniceps*, p. 750, spp. nn. Synopsis of 16 + 3 spp. of *Oehlthoeca*.
1871. SUNDEVALL, C. J. On Birds from the Galapagos Islands. < *P. Z. S.*, xxxix, 1871, pp. 124-130.  
A list of 26 spp., of which two are new (*Ardea plumbea*, pp. 125, 127-129, and *Spheniscus mendiculus*, pp. 129, 130; also a new variety of *Ardea violacea*), obtained by the Swedish 'Engenke' expedition in 1852. Remarks on the species allied to some of those recorded are added. Some are noticed from the Galapagos for the first time.
1871. WYATT, C. W. Notes on some of the Birds of the United States of Columbia. < *Ibis*, i, 1871, 3d ser., pp. 113-131, pl. v (map), 319-335, 373-384.  
Extended account of the region and route; field-notes on 210 spp.; map of author's journey.
- 1871-74. GUNDLACH, J. Neue Beiträge zur Ornithologie Cubas. < *J. f. O.*, xix, 1871, pp. 265-295, 353-378; xx, 1872, pp. 401-432; xxii, 1874, pp. 113-166, 286-303.  
There are literal discrepancies in the titles of the successive instalments. The first part is wholly occupied with a review of what has been done on the subject, from Macleay (1827) to the author himself (1865-66). The second begins The Revised List of Cuban Birds.
1872. ANON. Zoology of the Galapagos. < *Pop. Sci. Monthly*, Sept., 1872, pp. 623-635.  
Various allusions to the birds.
1872. EDITORS. New Galapagos Birds. < *Am. Nat.*, vi, 1872, p. 38.  
Notice of Sol. & Salv., *P. Z. S.*, May, 1870, on Dr. Habel's discoveries.
1872. HUDSON, W. H. On the Birds of the Rio Negro of Patagonia. With Notes by P. L. Sclater. < *P. Z. S.*, xl, 1872, pp. 534-550, fig., pl. xxxi.  
Field-notes on 23 spp., technical names of most of which are supplied by Dr. Sclater, who appends a nominal list of 48 spp. of the region, 7 of them peculiar to it.—*Unipolegus hudsoni*, Sol., p. 541, pl. 31, sp. n.



1872. LANDBECK, L. Sobre algunos pájaros chilenos. <*Anales Univ. Chile*, xli, Aug., 1872, pp. 515-519.  
*Sterna trudeaui*, *Conurus cyanolyseos*, i *Sterna galericulata*.
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Icterus* and *Synallaxis*. <*Ann. Lye. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.  
*Icterus formosus*, p. 184 (Tehuantepec); *Synallaxis maculata*, p. 186 (Tumbe, Peru).
1872. LAYARD, E. L. [Letter relating to birds seen during a voyage from England to Pará.] <*Ibis*, 3d ser., ii, 1872, pp. 333-338.
1872. [SALVIN, O.] [Notice of E. L. Layard's departure for Pará, South America.] *Ibis*, 3d ser., ii, 1872, p. 208.
1872. SALVIN, O. Notes on the Birds of Nicaragua, based upon a Collection made at Chontales by Mr. Thomas Belt. <*Ibis*, 3d ser., ii, 1872, pp. 311-323.  
 130 specimens of 73 spp. Sketch of history of the subject; general characters of the avifauna of the region.
1872. [SALVIN, O.] [Notice of G. A. Maack's researches in the vicinity of Panamá.] <*Ibis*, 3d ser., ii, 1872, pp. 339, 340.
1872. SEMPER, J. E. Observations on the Birds of St. Lucia. With Notes by P. L. Selater. <*P. Z. S.*, xl, 1872, pp. 647-653.  
*Cf. P. Z. S.*, 1871, p. 263. Notes on 25 spp. contained in the former list, and on 6 additional ones.
1872. SPERLING, R. M. [Letter.] <*Ibis*, 3d ser., ii, 1872, pp. 74-79.  
 Refers to various South American birds and some *Procellariidae*.
1873. CABANIS, J. [Neue peruanische Vögel des Herrn C. Jelski.] <*J. f. O.*, 1873, pp. 64-68.  
*Hylophilus flaviventris*, *Dacnis modesta*, p. 64; *Hypocnemis subflava*, *Thamnistes rufescens*, *Lochinia obscurata*, p. 65; *Phylidior subflavescens*, *Iporobus (Automolus) stictoptilus*, p. 66; *Sclerurus olivaceus*, *Euscarthmus rufigularis*, *Phyllomyias cinereicapillus*, p. 67; *Capsiempis orbitalis*, *Hadrostromus audax*, p. 68, spp. nn.
1873. CABANIS, J. [Neue Vögel des Berliner Museums, von C. Jelski in Peru entdeckt.] <*J. f. O.*, 1873, pp. 315-320, pl. iv, f. 3; 1874, pl. ii.  
*Turdus gigantodes*, p. 315; *Basileuterus diachlorus*, *Myiothlypis striaticiceps*, *Iridornis jelskii*, p. 316 (pl. ii, f. 1, Jahrg. 1874); *Poecilothraupis ignicrissa*, *Presbys peruanus*, p. 317; *Diglossa pectoralis*, *Chlorospingus (Hemispingus) auricularis*, *Hypsibamon andicola*, p. 318, pl. iv, f. 3; *Cillurus ricularis*, *Synallaxis humilis*, *S. albicapilla*, *Schizoeaca palpebralis*, p. 319 (pl. ii, fig. 2, Jahrg. 1874); *Mitrephorus ochraceiventris*, p. 320.
1873. LAYARD, E. L. [Letter on Birds observed on a Voyage from Pará to England.] <*Ibis*, 3d ser., iii, 1873, pp. 331, 332.
1873. LAYARD, E. L. Notes on Birds observed at Pará. . . . With Descriptions of two new Species. By P. L. Selater. <*Ibis*, 3d ser., iii, 1873, pp. 374-396, pll. xiv, xv.  
 List of 120 spp., quite fully annotated. *Picolaptes layardi*, p. 386, pl. xiv; *Thamnophilus simplex*, p. 387, pl. xv, spp. nn.
1873. LEE, W. B. Ornithological Notes [on 33 spp.] from the Argentine Republic. <*Ibis*, 3d ser., iii, 1873, pp. 129-138.
1873. LEYBOLD, F. Escursion a las Pampas Argentinas. Hojas de mi diario. Por Frederico Leybold. Santiago. 1873. 8vo. pp. 108, map.  
 Not seen.—Many notes on the birds observed or obtained. *Columbina aurisquamata*, p. 38; *Conurus glaucifrons*, p. 38, spp. nn.
1873. MATHEW, G. F. Natural-History [Ornithological] Notes from Coquimbo. <*Zoologist*, 2d ser., viii, 1873, pp. 3578, 3579.
1873. PELZELN, A. V. Verzeichniss einer an Dr. L. W. Schauffuss gelangten Sendung Vögel aus Neu-Freiburg in Brasilien. <*Nunquam Otiosus*, 1873, pp. 291, 292.  
 Not seen.
1873. SALVIN, O. [Letter off St. Domingo, noting various Birds observed en route.] <*Ibis*, 3d ser., iii, 1873, pp. 333, 334.

1873. SALVIN, O. [Letter relating to some Guatemalan Birds.] <Ibis, 3d ser., iii, 1873, pp. 428, 429.

1873. SCLATER, P. L. Additions to the List of Birds of Nicaragua. <Ibis, 3d ser., iii, 1873, pp. 372, 373.

Adding 17 spp. to the list given in *Ibis*, 1872, pp. 311-323.

1873. SCLATER, P. L. [Note on Sclater and Salvin's 'Nomenclator Avium Neotropicalium'.] <P. Z. S., 1873, pp. 554, 555.

Gives the classification to be adopted in the work. Eliminates *Turdus subcinerus* and *Chnipolegus* sp. from the American avifauna.

1873. SCLATER, P. L. [Descriptions of two new species of Birds from the State of Antioquia, Columbia.] <P. Z. S., 1873, pp. 728, 729.

*Chlorochrysea nitidissima*, p. 728; *Grallaria ruficeps*, p. 729.

1873. SCLATER, P. L. On Peruvian Birds collected by Mr. Whitely. Part VII. <P. Z. S., 1873, pp. 779-784.

39 spp., with notes on some of them. *Thryophilus fulvus*, *Todirostrum pulchellum*, p. 781; *Tyranniscus viridissimus*, *Myiobius aureiventris*, p. 782; *Grallaria erythroleuca*, p. 783, spp. nn.

1873. SCLATER, P. L., and SALVIN, O. Nomenclator | Avium Neotropicalium | sive | avium | que in regione neotropica hucusque repertæ sunt | nomina systematice disposita adjecta sua cuique | speciei patria accedunt generum et | specierum novarum diagnoses. | Auctoribus | Philippo Lutley Sclater A. M. Phil. Doct. | Soc. Reg. Lond. Socio | Soc. Zool. Lond. Secretario. | Et Osberto Salvin A. M. | Soc. Reg. Lond. Socio. | — | [Icon.] | Londini: | — | MDCCCLXXXIII. 1 vol. Fol. pp. viii, 163.

Avium omnium e regione Neotropica hucusque auctoribus obviarum tenet Nomenclator, secundum systema quo in opere adhuc inedito, sed jam per multos annos elaborato, cujus titulus "Index Avium Americanorum" usi sunt. Species asterisco notatæ neque in ornithotheca P. L. S. neque in Museo Salvino-Godmannico asservantur, sed in aliis locis auctoribus obviæ sunt.

Expositio ordinum classis avium in hoc opere usitatorum, adjecto in quoque ordine specierum numero. A. *Carinatae*. (I. *Aegithognathæ*.) 1. *Passeres*, 1976. 2. *Cypseli*, 444. 3. *Pici*, 116. (II. *Desmognathæ*.) 4. *Coccyges*, 214. 5. *Psittaci*, 142. 6. *Striges*, 37. 7. *Accipitres*, 114. 8. *Steganopodes*, 17. 9. *Herodiones*, 44. 10. *Anseres*, 64. (III. *Schizognathæ*.) 11. *Columbeæ*, 66. 12. *Gallinæ*, 90. 13. *Opisthocomi*, 1. 14. *Grues*, 57. 15. *Limicolæ*, 73. 16. *Gariæ*, 53. 17. *Pygopodes*, 9. 18. *Impennes*, 9. (IV. *Dromæognathæ*.) 19. *Cryptari*, 36.—B. *Ratitæ*. 20. *Apteryges*, 0. *Struthionæ*, 3. Summa specierum Avium Neotropicalium, 3565.

Appendix, pp. 155-163, continens diagnoses generum et specierum, quorum nominibus in hoc opere pro prima vice usi sunt:—

P. 155: *Uropsila*, p. 7; *Phyllogothraupis*, p. 21; *Porphyrospiza*, p. 30; *Clibanornis*, p. 61; *Microbates*, p. 72; *Nesococcyzus*, p. 101. P. 156: *Gymnopelia*, p. 133; *Nothoprocta*, p. 153; *Calodromas*, p. 156; *Basileuterus leucopygius*, p. 10; *Hylophilus musciapinus*, p. 12; *Cyclorhis albiventris*, p. 13. P. 157: *Chlorophanes purpurascens*, p. 16; *Euphonia chalcopasta*, p. 18; *Chlorospingus semifuscus*, p. 24; *Arremonuchereri*, p. 25; *Haplospiza uniformis*, p. 29. P. 158: *Chnipolegus pusillus*, p. 43; *Euscarthmus uchereri*, p. 45; *Serpophaga subflava*, p. 47; *S. pœvilocerca*, p. 47. P. 159: *Phyllomyias platyrhyncha*, p. 48; *Lipaugus inmundus*, p. 57; *Casiornis fusca*, p. 57; *Furnarius agnatus*, p. 61. P. 160: *Philidor erythronotus*, p. 66; *Margarornis stellata*, p. 67; *Picolaptes puncticeps*, p. 69; *Thamophilus tristis*, p. 69; *Myrmotherula pyrrhonota*, p. 72. P. 161: *Microbates torquatus*, p. 72; *Cercomacra carbonaria*, p. 73; *Rhinocrypta fusca*, p. 76; *Dendrocygna discolor*, p. 129. P. 162: *Querquedula andium*, p. 129; *Leptoptila rufinucha*, p. 134; *Odonophorus hypospilius*, p. 138; *Psophia napensis*, p. 141; *Tinamus ruficeps*, p. 152. P. 163: *Nothoprocta currirostris*, p. 153.

1873. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part VI. <P. Z. S., 1873, pp. 184-187, pl. xxi.

Pl. xxi, *Taiaa olivacea*. List of 89 spp.; comment on 7 of them. *Hapalocercus acutipennis*, p. 187, sp. n. (Continued, *P. Z. S.*, 1873, p. 779, by Sclater alone.)

1873. SCLATER, P. L., and SALVIN, O. On the Birds of Eastern Peru. With Notes on the habits of the Birds, by Edward Bartlett. <P. Z. S., 1873, pp. 252-311, pll. xxv, (map) xxvi.

Important: contains a summary of nearly all that is accurately known of the birds of the region; complete list of previous papers, 7 in number, on the same subject; general geographical considerations; subdivisions of the Amazonian Fauna. 473 spp., of which 108 are peculiar to the Upper Amazonian Fauna. *Pithys lunulata*, p. 276, pl. xxvi; *Rhynchocyclus viridiceps*, p. 280, spp. nn.

1873. SCLATER, P. L., and SALVIN, O. On some Venezuelan Birds collected by Mr. James M. Spence. < *P. Z. S.*, 1873, pp. 511, 512.  
8 spp.—*Lehmias sororia*, p. 511, *Crypturus cerviniventris*, p. 512, spp. n.
- 1873-74. BERLEPSCH, H. Zur Ornithologie der Provinz Santa Catharina, Süd-Brasilien. < *J. f. O.*, 1873, pp. 225-293; 1874, pp. 241-284.  
118 Arten, gut bearbeitet, namentlich in Bezug auf geographische Verbreitung.
1874. CABANIS, J. Uebersicht der von Herrn Carl Euler im District Cantagallo, Provinz Rio de Janeiro, gesammelten Vögel. < *J. f. O.*, 1874, pp. 81-90, 225-231.  
*Sporophila eulerti*, sp. n., p. 84; *Ceratotriccus*, g. n., p. 87. See 1867-69, EULER, C.
1874. CABANIS, J. [Neue peruanische Vögel des Herrn Jelski.] < *J. f. O.*, 1874, pp. 97-100.  
*Turdus nigriceps* Jelski, *Urolampra eupogon*, p. 97; *Coprotretes jelskii*, *Euscarthmus purrhops*, *Mecocerculus taeniopterus*, p. 98; *Hemipipo tschudii*, *Metallura jelskii*, p. 100.
1874. GOLZ, —. [Notiz über die Guanolager Peru's.] < *J. f. O.*, 1874, pp. 343, 344.
1874. GUNDLACH, J. Beitrag zur Ornithologie der Insel Portorico. < *J. f. O.*, 1874, pp. 304-315.  
116 spp.
1874. JULIET, C. Informe del ayudante de la comision esploradora de Chiloé i Llanquihue, don Carlos Juliet. < *Anales Univ. Chile*, tomo xlv, 1<sup>a</sup> secc., Diciembre 1874, pp. 661-734.  
A few birds are mentioned here and there in running narrative.
1874. LANDBECK, L. Zur Ornithologie Chiles. < *Arch. f. Naturg.*, 1874, (1), pp. 112-116.  
Behandelt *Sterna trudeaui*, *S. galericulata*, *Conurus cyanolyseos* und *C. patagonus*.
1874. LAWRENCE, G. N. Descriptions of Six Supposed New Species of American Birds. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1874, pp. 395-399.  
*Chlorospingus brunneus*, p. 395 (Costa Rica); *C. axillaris*, p. 395 (Costa Rica); *Buarremon atricapillus*, p. 396 (Bogotá?); *Phonipara fumosa*, p. 396 (Trinidad); *Cyanospiza rosita*, p. 397 (Tehuantepec, Mex.); *Thripadectes virgaticeps*, p. 398 (Quito, Ecuador).
1874. LAWRENCE, G. N. Descriptions of Two New Species of Birds of the Families Tanagridæ and Tyrannidæ. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1874, pp. 70-72.  
*Phaenicothraupis cristata*, p. 70 (Bogotá); *Myiarchus flammulatus*, p. 71 (Tehuantepec).
1874. LAWRENCE, G. N. Descriptions of Four New Species of Birds from Costa Rica. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1874, pp. 88-91.  
*Cyanocitta argentigula*, p. 88; *Stenopsis albicauda*, p. 89; *Geotrygon rufiventris*, *Porzana cinereiceps*, p. 90.
1874. PELZELN, A. v. Ueber eine Sendung von Vögeln aus Ecuador. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xxiv, 1874, pp. 171-174.  
Die Sendung von circa 30 Arten enthält in der That Objekte von vielem Interesse, darunter einige Arten welche bisher noch nicht aus Ecuador bekannt waren.
1874. REED, E. C. Remarks on the Birds of Juan Fernandez and Mas-a-fuera. < *Ibis*, 3d ser., iv, 1874, pp. 81-84.  
In the former island, 6 spp. of land-birds; in the latter, 5. Cf. Sclater, *Ibis*, 1871, pp. 178-183, on the same subject.
1874. SCLATER, P. L. News of Mr. Salvin [*i. e.*, a letter from O. Salvin, on certain Guatemalan birds]. < *Ibis*, 3d ser., iv, 1874, pp. 99-100.
1874. SCLATER, P. L. [Notice of Mr. Jelski's Collections in Western Peru.] < *Ibis*, 3d ser., iv, 1874, p. 100.
1874. SCLATER, P. L. On a small Collection of Birds from Barbadoes, West Indies. < *P. Z. S.*, xlii, 1874, pp. 174, 175.  
Nine species.
1874. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely. Part VIII. < *P. Z. S.*, 1874, pp. 677-680, pl. lxxxiv.  
List of 32 spp., and notes on 9 of them. Synopsis of 6 spp. of *Northoprocta*; *N. tuczanowskii*, p. 679, pl. lxxxiv, sp. n.

1874. TACZANOWSKI, L. Description des Oiseaux nouveaux du Péron central. < *P. Z. S.*, xlii, 1874, pp. 129-140, pll. xix, xx, xxi.

\**Cistothorus gramineus*, \**Thryothorus cantator*, p. 130; \**Daenis xanthophthalma*, *Daenidea* (g. n.) *leucogastra* (pl. xix, f. 2), p. 131; \**Microspingus* (n. g.) *trifasciatus* (pl. xix, f. 1), \**Chlorospingus cinereoccephalus*, \**Spermophila simplex*, p. 132; \**Sycalis raimondii*, \**Ochthoeca thoracica*, p. 133; \**Muscisaxicola rufipennis*, \**Leptopogon auritus*, p. 134; *Pogonotriccus ophthalmicus*, *Dolichornis* (g. n.) *scelateri* (pl. xxi), \**Corythopis humiegans*, \**Herpsilochmus motacilloides*, p. 136; *Myrmotherula atrogularis*, \**Thripadectes scrutator*, p. 137; \**Scytalopus sylvestris*, *Thalurania jelskii*, \**Helianthea dichroua*, p. 138; *Metallura hedvigae* (pl. xxi, f. 2), \**Eriocnemis sapphiropygia*, p. 139; *Lamproaster* (n. g.) *branicikii*, pl. xxi, f. 1, p. 140, spp. nn.: those marked with an asterisk being from C. Jelski's MS. Cf. *J. f. O.*, 1873, pp. 64-68, 315-320; 1874, pp. 97-100.

1874. TACZANOWSKI, L. Liste des Oiseaux recueillis par M. Constantin Jelski dans la partie centrale du Péron Occidental. < *P. Z. S.*, Nov. 3, 1874, pp. 501-565, pll. lxiv, lxv.

Most of the new Peruvian birds discovered by Jelski had been described by Cabanis in *J. f. O.*, 1873, and by Taczanowski in *P. Z. S.*, 1874, when the latter drew up the present important article, giving a complete list of the 490 species secured by the intrepid and indefatigable traveller during the three years he passed in exploring the narrow but interesting region comprised between Lima, Huanta, Monterio, Fama, and Junin, which is situated in the Cordilleras, and therefore presents a marvellously rich avifauna, composed of species living from torrid regions to the line of perpetual snow. The following 19 species are here described as new:—*Anthus brevirostris*, A. *calcaratus*, p. 507; *Conirostrum cyanum*, p. 512; *Buarremon mystacalis*, p. 515; *B. tricolor*, p. 516; *Chlorospingus chrysogaster*, p. 517; *Spermophila obscura*, p. 519; *Pipilo mystacalis*, p. 521; *Geositta saziicola*, p. 524; *Upucerthia serrana*, p. 525; *Anabazenops cabanisi*, p. 528; *Ochthodietia signatus*, p. 532; *Rhynocyclus peruvianus*, p. 537; *Myiobius superciliosus*, p. 538; *Empidonax andinus*, p. 539; *Leucippus pallidus*, p. 542; *Hypoxanthus brevirostris*, p. 546; *Gallinago andina*, p. 561; *Nothoprocta branicikii*, p. 563.—Pl. xlv, *Turdus nigriceps*. Pl. xlv, *Buarremon tricolor*.—The text is chiefly descriptive, biographical, and critical.

1875. DUBUS, A. Descriptions de Quelques Oiseaux Nouveaux. < *Bull. Acad. Roy. Belg.*, 2d ser., xl, No. 12, Dec., 1875, pp. 13-17.

*Cyanocitta yucatanica*, p. 13, Yucatan; *Icterus virescens*, p. 15, Mexico; *I. xanthornus* var. *a. dubusii*, p. 16, Panama; *I. xanthornus* var. *marginalis*, p. 17, Panama.—Not seen.

1875. LAWRENCE, G. N. Descriptions of five new Species of American Birds. < *Ibis*, 3d ser., v, July, 1875, pp. 383-387, pl. ix.

*Chlorospingus? speculiferus*, p. 383, pl. ix, f. 1; *C. nigrifrons*, p. 384; *Serpophaga leucura*, p. 384, pl. ix, f. 2; *Orchilus atricapillus*, p. 385; *Empidonax nanus*, p. 386.

1875. PELZELN, A. V. On some Birds from Spanish Guiana collected by Herr Münzberg. < *Ibis*, 3d ser., v, July, 1875, pp. 329-332.

24 spp.: among them *Machetes pugnax*! *Heleodytes bicolor*, p. 330, sp. n.

1875. PHILIPPI, R. A. Escursion al cajon de los Cipreses en la hacienda de Cauquenes (Rancagua). < *Anales Univ. Chile*, tomo xlvii, 1<sup>a</sup> secc., 1875, pp. 651-670.

La Fauna del Valle, p. 670.—*Conurus cyanolysios*, *Attagis gayana*.

1875. SALVIN, O. Additional [cf. *Ibis*, 1871, p. 178; 1874, p. 81] Notes on the Birds of the Islands of Masafuera and Juan Fernandez. < *Ibis*, 3d ser., v, July, 1875, pp. 370-377.

*Buteo exsul*, p. 371; *Æstrelata externa*, p. 373, spp. nn. Letter from E. Oustalet on type of *Prufinus sericeus* Less. List of 17 known species of the two islands.

1875. SCLATER, P. L., and SALVIN, O. On Venezuelan Birds collected by Mr. A. Goering. Part V. < *P. Z. S.*, Mar. 16, 1875, pp. 234-238, pl. xxxv.

List of 42 + 33 spp., with notes on 7 of them. *Buarremon castaneifrons*, p. 235, pl. xxxv, f. 1; *Chlorospingus chrysophrys*, p. 235; *Chloronerpes xanthochlorus*, p. 238, spp. nn. Pl. xxxv, f. 2, *Buarremon taczanowskii*.

1875. SCLATER, P. L., and SALVIN, O. Description of two new Species of Birds from the State of Antioquia, U. S. C. < *P. Z. S.*, Nov. 2, 1875, pp. 541-542.

*Catharus phaeopleurus*, p. 541; *Automolus holostictis*, p. 542.

1876. ALLEN, J. A. Exploration of Lake Titicaca, by Alexander Agassiz and S. W. Garman. III. List of Mammals and Birds. By J. A. Allen, with Field-Notes by Mr. Garman. < *Bull. Mus. Comp. Zool.*, iii, No. 15, July, 1876, pp. 349-359.

An annotated list of 69 spp. of birds, pp. 353-359. *Falcinellus ridgwayi*, *Gallinula garmani*, spp. nn. Cf. *Ibis*, 4th ser., i, 1877, pp. 119, 120.

1876. A[LLEN], J. A. Description of new species of American Birds. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, p. 47.  
Notice of two recent papers by G. N. Lawrence in *Ann. Lye. N. Y.* and *Ibis*.
1876. BROWN, C. B. Canoe and Camp Life in British Guiana. By C. Barrington Brown, Assoc. R. S. M., late Government Surveyor in British Guiana. London: Stanford. 1876. 1 vol. 8vo.  
Not seen: cited from *Ibis*, 1877, p. 239, where favorably noticed. It is said to be replete with natural history notes, many of which relate to birds, and among which are some of novelty or other special interest.
1876. DURNFORD, H. Ornithological Notes from the Neighbourhood of Buenos Ayres. < *Ibis*, 3d ser., vi, April, 1876, pp. 157-166.
1876. [HOTCHKISS, TRUMAN.] South American Game Birds. < *Scientific American* of Sept. 3, 1876.  
Reprinted in *Forest and Stream*, vii, Oct. 12, 1876, p. 148.
1876. NAPP, R. Argentine Republic. Buenos Ayres. 1876. 8vo. pp. 560, 5 maps.  
Not seen.
1876. ORTON, J. The Andes and the Amazon: or across the Continent of South America. By James Orton, A. M. Third edition, revised and enlarged, containing notes of a second journey across the continent from Para to Lima and Lake Titicaca. New York: 1876. 8vo.  
Not seen; nor do I know the date of the original or 2d edition. Cf. *Ibis*, 1877, p. 373.
1876. PELZELN, A. V. Ueber eine weitere Sendung von Vögeln aus Ecuador. < *Verh. (Abh.) d. k.-k. zool.-bot. Gesellsch. zu Wien*, Dec. 6, 1876, pp. 765-772.  
Ein ausführliches Verzeichniss der Arten, theilweise mit Anmerkungen versehen. Cf. *Ibis*, 1877, p. 383.
1876. SALVIN, O. On some new Species of Birds from Western Ecuador. < *Ibis*, 3d ser., vi, 1876, pp. 493-496, pl. xiv.  
*Euscarthmus ocellaris*, p. 493; *Formicivora speciosa*, p. 494; *Capito squamatus*, p. 494, pl. xiv; *Pionopsitta pyrrophops*, p. 495; *Leucopternis occidentalis*, p. 496.
1876. SALVIN, O. On the Avifauna of the Galapagos Archipelago. < *Trans. Zool. Soc. Lond.*, vol. ix, pt. ix, May, 1876, art. x, pp. 447-510, pll. lxxxiv-lxxxix, many woodcuts.  
This important paper contains:—Introductory remarks, physical and historical, including Dr. Habel's account of his visit (cf. *P. Z. S.*, 1870, pp. 322-327), p. 447. Short account of the literature of the subject, p. 461. List of the birds, with remarks on their relationships with those of other countries, *a*, as to species, *b*, as to genera, *c*, as to families, p. 463. Summary of the birds of each island, p. 466. On the variation of the species in certain genera (*Geospiza*, *Cactornis*, *Camarhynchus*), and consequent difficulty of defining them, p. 469. Account of each species, with synonymy, description, distribution, biography, and general remarks, p. 471. Conclusions, p. 509.  
Families 20; genera 39, of which 27 are wide-ranging; species 57, of which 38, or more than 66 per cent., are peculiar to the islands: 21 water-birds, 36 land-birds. Pl. lxxxiv, map of the Archipelago: lxxxv, *Camarhynchus variegatus*; lxxxvi, *C. habeli*; lxxxvii, *Larus fuliginosus*; lxxxviii, ff. 1, 2, *Æstelata phaeopygia*, sp. n., p. 507; f. 2, *Procellaria tethys*; lxxxix, *Spheniscus mendiculus*. Also, heads, etc., of the species of *Geospiza*, *Cactornis*, and *Camarhynchus* figured in the numerous woodcuts. Dr. Habel's field-notes *passim*; his new species were previously described by S. & S., *P. Z. S.*, 1870, pp. 322-327, *q. c.*  
Original date of *Creagrurus* Bp., 1853; also pub. in 1854 in separates of a paper in *Rev. Zool.*, Jan., 1855.
1876. SCLATER, P. L. On some additional Species of Birds from St. Lucia, West Indies. < *P. Z. S.*, Jan. 4, 1876, pp. 13, 14, pl. ii.  
Cf. *P. Z. S.*, 1871, p. 263, and 1872, p. 647.—List of 8 spp. *Thryothorus mesoleucus*, *Leucopeza* (*g. n.*) *semperi* (pl. ii), p. 14, spp. nn.
1876. SCLATER, P. L., and SALVIN, O. On Peruvian Birds collected by Mr. Whitely.—Part IX. < *P. Z. S.*, Jan. 4, 1876, pp. 15-19, pl. iii.  
List of 65 spp., with remarks on 9 of them. *Thamnophilus melanchrous*, p. 18, pl. iii; *Columba albipennis*, p. 18, spp. nn.

1876. SCLATER, P. L., and SALVIN, O. Descriptions of new Birds obtained by Mr. C. Buckley in Bolivia. <P. Z. S., Feb. 1, 1876, pp. 253, 254.  
*Diglossa glauca*, p. 253; *Buarremon melanops*, p. 253; *Leptopogon tristis*, p. 254; *Hypoxanthus atriceps*, p. 254.
1876. SCLATER, P. L., and SALVIN, O. On new Species of Bolivian Birds. <P. Z. S., Apr. 4, 1876, pp. 352-358, pll. xxx-xxxiii, woodc.  
*Catharus mentalis*, *Basileuterus euophrys*, p. 352; *Malacothraupis* (g. n.) *dentata* (pl. xxxi), fig. on p. 353; *Calliste punctulata*, p. 353; *C. fulvicerrix* (pl. xxx, f. 1), *C. argurofascies* (pl. xxx, f. 2), *Chlorospingus calophrys*, *Cyanocorax nigriceps*, *Ochthodonta fuscorufus*, p. 354; *Ochthoeca pulchella*, *Anaretes flavirostris*, *Lathria uropygialis* (pl. xxxii, fig. on p. 356), p. 355; *Grallaria erythrotis*, *Thamnophilus subfasciatus* (pl. xxxiii), *Asturina saturata*, p. 357.
1877. ALLEN, J. A. List of Birds collected by Mr. Charles Linden, near Santarem, Brazil. <Bull. Essex Inst., viii, No. 8, 1876, pp. 78-83. (Pub. Feb., 1877.)  
 Annotated list of 128 spp.; *Coccyzus lindeni*, sp. n.
1877. DURNFORD, H. Notes on some Birds observed in the Chuput Valley, Patagonia, and in the neighbouring District. <Ibis, 4th ser., i, 1877, pp. 27-46.  
 Extended field-notes on about 62 spp.
1877. DURNFORD, H. Notes on the Birds of the Province of Buenos Ayres. <Ibis, 4th ser., i, 1877, pp. 166-203, pl. iii.  
 Excellent field-notes on 144 spp., with some little editorial criticism. *Porzana spiloptera* "Burm. MS.", p. 194, pl. iii, sp. n.
1877. EDITORS. Allen's 'Birds of Lake Titicaca.' <Ibis, 4th ser., i, 1877, pp. 119, 120.  
 Review of that paper.
1877. EDITORS. Brown's Travels in British Guiana. <Ibis, 4th ser., i, 1877, p. 237.  
 Notice of the work of that name.
1877. EDITORS. Pelzeln on Birds from Ecuador. <Ibis, 4th ser., i, 1877, p. 383.  
 A notice of the paper in Verh. (Abh.) zool.-bot. Gesch. zu Wien, 1876, pp. 765-772.
1877. EDITORS. Roraima and its mysteries. <Ibis, 4th ser., i, 1877, pp. 399, 400.  
 À propos of C. B. Brown's work on British Guiana, 1876. q. v. The article is chiefly an extract from the London Spectator, date unknown to me.
1877. ERNST, A. Estudios | sobre la | Flora y Fauna | de Venezuela | por | A. Ernst. | — | Caracas | Imprenta federal | . . . | 1877. 4°. 2 p. ll., pp. 211-330.  
 Catálogo sistemático de las especies de Aves que han sido observadas hasta ahora en los Estados Unidos de Venezuela, pp. 293-316. 315 géneros y 556 especies.—Publicado en el Primer Anuario Estadístico, Caracas, 1877.
1877. LAWRENCE, G. N. Descriptions of New Species of Birds from the Island of Dominica. <Ann. N. Y. Acad. Sci., i, Oct., 1877, pp. 46-49.  
*Thryothorus rufescens*, *Dendroica plumbea*, *Myiarchus oberi*, spp. nn. Cf. Bull. Nutt. Ornith. Club, iv, Jan., 1879, pp. 48, 49.
1877. LAWRENCE, G. N. A Provisional List of the Birds Procured and Noticed by Mr. Fred. A. Ober in the Island of Dominica. <Forest and Stream, ix, Dec. 6, 1877, p. 345.  
 Provisional list of 56 spp., anticipating the final paper in Proc. U. S. Nat. Mus., 1878, q. v.
1877. REED, E. C. Apuntes de la Zoología de la Hacienda de Cauquenes, Provincia de Colchagua [Chile], por Edwyn C. Reed. Santiago de Chile. 1877. 8vo.  
 Not seen. Cf. Ibis, Oct., 1878, pp. 485, 486.
1877. SCLATER, P. L., and SALVIN, O. Descriptions of eight new Species of South-American Birds. <P. Z. S., Jan. 2, 1877, pp. 18-22, pl. i.  
*Euphonia fuscii* (Demerara), *Phæticus crissalis* (Ecuador), *Ochthoeca leucometopa* (Western Peru), p. 19; *O. arcuacea* (Columbia), *Chloronerpes dignus* (Columbia) (pl. i), p. 20; *Circus subflavus* (Bahia), *Chamaepelia buckleyi* (Santa Rita, Rep. Equat.), p. 21; *Crax erythrogastra*, p. 22.

1877. SCLATER, P. L., and SALVIN, O. Descriptions of six new Species of South-American Birds. <P. Z. S., June 5, 1877, pp. 521-523, pl. lii.  
*Basileuterus castaneiceps*, *Euphonia insignis* (pl. lii, f. 1), *Chlorospingus phaeocephalus* (pl. lii, f. 2), p. 521; *Todirostrum rufigena*, *Lathria cryptolopha*, *Fuligula nana*, p. 522, from collections made in Peru and Ecuador.
1877. SHARPE, R. B. Account of the Zoological Collection made during the visit of H. M. S. 'Petrel' to the Galapagos Islands. Communicated by Dr. Albert Günther. . . . <P. Z. S., Feb. 6, 1877, pp. 61-93.  
 I. BIRDS. By R. Bowdler Sharpe, pp. 65, 66, 4 spp.; *Mimus parvulus*, *Dendroica aureola*, *Geospiza fuliginosa*, *Tyrrocephalus nanus*.
1877. TACZANOWSKI, L. Liste des Oiseaux recueillis au nord du Pérou occidental par MM. Jelski et Stolzmann. <P. Z. S., 1877, pp. 319 —, pl. xxxvi.  
 Not seen. (Part ii of this volume missing from my set.)
1877. TACZANOWSKI, L. Supplément à la Liste des Oiseaux recueillis au nord du Pérou occidental par MM. Jelski et Stolzmann. <P. Z. S., Nov. 6, 1877, pp. 744-754.  
 Un séjour prolongé aux environs de Tumbes ayant procuré aux voyageurs plusieurs espèces qui n'étaient pas fournies dans les envois précédents (voir tome cit. pp. 319 —), ces oiseaux sont ici indiqués, au nombre de 31; ce qui joint à 72 esp. de la liste précédente, fait en tout 103 espèces des environs de Tumbes qui n'étaient pas trouvées dans le Pérou central par M. Jelski.—*Penelope albipennis*, p. 746; *Rallus cypereti* Stolzmann. MS., p. 747. spp. mn.
1878. BISHOP, N. H. Notes on the Illustrations in Don Juan Lembeze's "Birds of the Island of Cuba." <Forest and Stream, x, July 25, 1878, p. 482.  
 Very unfavorable to the author here criticised.
1878. BOUCARD, A. On Birds collected in Costa Rica. <P. Z. S., Jan. 15, 1878, pp. 37-71, pl. iv.  
 This interesting paper gives notes, both field and critical, upon 258 spp. collected by the author himself during the five months spent in the country, with headquarters at San José, the capital. This is just half the total recorded number of Costa Rican birds, 520. Many varieties were secured, though only one novelty, as the ground had already been well worked over by several explorers, as set forth in the papers of Lawrence, Salvin, Cabanis, and others.—*Zonotrichia vulcani*, p. 57, pl. iv, sp. n.
1878. CABANIS, J. Ueber eine Sammlung von Vögeln der Argentinischen Republik. <J. f. O., Apr., 1878, pp. 194-199.  
 Da dieser Jahrgang gerade gebunden wurde, war es mir nicht möglich denselben einzuschen.
1878. DURNFORD, H. Notes on the Birds of the Province of Buenos Ayres. <Ibis, 4th ser., ii, 1878, pp. 58-69.  
 Not seen. (This volume of the *Ibis* is at the binder's.)
1878. DURNFORD, H. Notes on the Birds of Central Patagonia. <Ibis, 4th ser., ii, No. 8, Oct., 1878, pp. 389-406.  
 Not seen. (This volume of the *Ibis* is at the binder's.)
1878. [GRINNELL, G. B.] New Birds from the West Indies. <Forest and Stream, x, July 25, 1878, p. 483.  
 Comments upon recent collections by Fred. A. Ober.
1878. [GRINNELL, G. B.] Four New Birds from the West Indies. <Forest and Stream, xi, Aug. 8, 1878, p. 2.  
 Notice of F. A. Ober's collections.
1878. [GRINNELL, G. B.] Birds of Dominica and St. Vincent. <Forest and Stream, xi, Nov. 21, 1878, p. 320.  
 Notice of George N. Lawrence's catalogues of F. Ober's ornithological collections in the West Indies.
1878. [GRINNELL, G. B.] Frederick A. Ober ("Fred Beverly.") <Forest and Stream, xi, Nov. 21, 1878, p. 327.  
 Portrait and brief biographical notice.

1575. GUNDLACH, J. Neue Beiträge zur Ornithologie der Insel Portorico. < *J. f. O.*, Apr., 1878, pp. 157-194.  
Dieses Buch befindet sich beim Buchbinder und ist mir deshalb nicht zugänglich.
1578. LAWRENCE, G. N. Descriptions of Seven New Species of Birds from the Island of St. Vincent, West Indies. < *Ann. N. Y. Acad. Sci.*, i, No. 5, June, 1878, pp. 147-153.  
*Turdus nigrirostris*, *Myiadestes sibilans*, *Thryothorus musicus*, *Certhiola atrata*, *C. saccharina*, *Leucopoeza bishopi*, *Calliste versicolor*. Cf. *Ibis*, Oct., 1878, p. 468; *Bull. Nutt. Ornith. Club*, iv, 1879, pp. 48, 49.
1578. LAWRENCE, G. N. Descriptions of Supposed New Species of Birds from the Islands of Grenada and Dominica, West Indies. < *Ann. N. Y. Acad. Sci.*, i, July, 1878, pp. 160-163.  
*Turdus caribbeus* (Grenada), *Thryothorus grenadensis* (Grenada), *Blacicus brunnei-capillus* (Dominica), *Quiscalus luminosus* (Grenada). Cf. *Bull. Nutt. Ornith. Club*, iv, Jan., 1879, pp. 48, 49.
1578. LAWRENCE, G. N. Catalogue of the Birds of Dominica from Collections made for the Smithsonian Institution by Frederick A. Ober, together with his Notes and Observations. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. July, 1878), pp. 42-69.  
Fully annotated list of 59 spp.; collector's field-notes and sketch of the locality; author's critical commentary. *Tiroosyleia calidris* var. *dominicana*, p. 55; *Striz flammea* var. *nigrescens*, p. 64, varr. nn. Cf. *Bull. Nutt. Ornith. Club*, iv, Jan., 1879, pp. 48, 49.
1578. LAWRENCE, G. N. Catalogue of the Birds of St. Vincent, from Collections made by Mr. Fred. A. Ober, under the Direction of the Smithsonian Institution, with his Notes thereon. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Oct., 1878), pp. 185-198.  
Treats of 59 spp., 3 undetermined, with collector's field-notes and sketch of the island; author's critical commentary on several of the species. Seven new species of this collection were described just previously, in *Ann. N. Y. Acad. Sci.*, 1878, q. v. Cf. *Bull. Nutt. Ornith. Club*, iv, 1879 pp. 48, 49.
1578. LAWRENCE, G. N. Catalogue of the Birds of Antigua and Barbuda, from Collections made for the Smithsonian Institution, by Mr. Fred A. Ober, with his Observations. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Dec., 1878), pp. 232-242.  
From Antigua, 42 spp.; from Barbuda, 39 spp.; both lists fully annotated by Mr. Ober, with his field-notes. *Speotyto amaura*, p. 234, sp. n.
1578. PELZELN, A. V. Weitere Sendungen von Vögeln aus Ecuador. < *Verh. (Abh.) d. k.-k. zool.-bot. Gesellsch. zu Wien*, —, 1878, pp. 15-20.  
Nicht selbst gesehen: Titel aus Ridgway's MS. citirt. Unter den beschriebenen interessanten Arten befinden sich *Urochroa bougeri*, *Urosticte rufigrissa*, *Bourcieria insectivora* und *Cyanocitta pulchra*. *Chlorochrysa sodiroi* sp. n. = *C. phaniceotis* ♀; cf. *Ibis*, 1878, pp. 478, 479.
1578. SCLATER, P. L., and SALVIN, O. On the Collection of Birds made by Prof. Steere in South America. < *P. Z. S.*, Feb. 5, 1878, pp. 135-142, pll. (Aves) xi-xiii, woodc.  
Prof. Steere collected about 911 bird-skins, from Pará to Callao, belonging to about 362 spp., 22 of which furnish the occasion for remark in this paper. Among them is *Xema sabinii*!—*Myiarchus semirufus* (pl. xi), p. 138; *Furnarius pileatus*, p. 139; *Capito steerii* (pl. xii), p. 140; *Crypturus transfasciatus* (pl. xiii), p. 141, spp. nn.
1578. SCLATER, P. L., and SALVIN, O. Reports on the Collections of Birds made during the voyage of H. M. S. 'Challenger.'—No. IX. On the Birds of Antarctic America. < *P. Z. S.*, Apr. 16, 1878, pp. 431-438.  
Report on 41 spp. collected on the voyage from Juan Fernandez, along the coast of Patagonia, to the Falklands. It is little more than a list of the specimens, with collector's notes, though some technic occurs.
1578. SCLATER, P. L., and SALVIN, O. Descriptions of three new Species of Birds from Ecuador. < *P. Z. S.*, Apr. 16, 1878, pp. 435-440, pll. (Aves) xxvii, xxviii.  
*Buarremon leucopsis*, *Neomorphus radiolosus*, pl. xxvii, *Arundides calopterus*, pl. xxviii, p. 439.



1878. SPENCE, J. M. The Land of Bolivar, or War, Peace, and Adventure in the Republic of Venezuela. With maps and illustrations. . . . London: Sampson Low & Co. 1878. 2 vols. 8vo.  
Not seen: contains a catalogue of birds, reprinted from *P. Z. S.*, 1873, pp. 511, 512.
1879. A[LLEN], J. A. Lawrence and Ober on the Birds of Dominica and St. Vincent. < *Bull. Natl. Ornith. Club*, iv, No. 1, Jan., 1879, pp. 48, 49.  
Notices of five of G. N. Lawrence's recent papers on F. A. Ober's collections in the Lesser Antilles, in *Ann. N. Y. Acad.* and *Proc. Nat. Mus.*
1879. LAWRENCE, G. N. Catalogue of the Birds of Grenada, from a Collection made by Mr. Fred. A. Ober for the Smithsonian Institution, including others seen by him, but not obtained. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Feb., 1879), pp. 265-278.  
Grenada, one of the Lesser Antillian Islands, about 12° N., 18½ miles long by 7½ broad. Mr. Ober's general remarks on the island, and his field-notes in the body of the article. Treats of 54 spp., represented in the collection by 66 specimens. *Vireosylva calidris* var. *dominicana*, p. 268; *Strix flammea* var. *nigrescens*, p. 273, varr. nn.!
1879. LAWRENCE, G. N. Catalogue of the Birds collected in Martinique by Mr. Fred. A. Ober for the Smithsonian Institution. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Mar. 10, 1879), pp. 349-360.  
Sketch of Martinique by Mr. Ober, and his copious field-notes throughout the list of 40 spp. Important note on *Dendroica rufipula* Baird, p. 353, and on *Quiscalus inflexirostris* Swains., p. 356. *Myiarchus sclateri*, p. 357, sp. n.
1879. LAWRENCE, G. N. Catalogue of a Collection of Birds obtained in Guadeloupe for the Smithsonian Institution, by Mr. Fred. A. Ober. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. Apr. 22, 1879), pp. 449-462.  
Of the same characters as previous papers of this series. Mr. Ober collected in Guadeloupe in August and September, 1878, sending in 132 specimens, and noting 45 spp.
1879. LAWRENCE, G. N. A General Catalogue of the Birds noted from the Islands of the Lesser Antilles visited by Mr. Fred. A. Ober; with a Table showing their Distribution and those found in the United States. < *Proc. U. S. Nat. Mus.*, vol. i, 1878, (pub. 1879), pp. 486-488.  
A *résumé* of the preceding catalogues in tabular form. All these papers of Mr. Lawrence's are also published separately, same pagination, with cover and new title-page.

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## ADDENDA.

I continue with a few titles acquired during the impression of the preceding pages.

1625. DE LAET, J. Nieuwe Wereldt | ofte | Beschrijvinghe | van | West-Indien, | wt veelcrhande Schriften ende Aen-teekeningen | van verscheyden Natiën by eenversmelt | Door Ioannes de Laet, | Ende met Noodighe Kaerten en Tafels voorsien. | Tot Leyden, | In de Druckerye van Isaack Elzevier. | Anno 1625. | Met Privilege der Ho. Mo. Heeren Staten Generael, voor 12 Jaren. | Folio. pp. (2). xxii. 526, maps.  
Not seen: title from Sabin's *Bibl.* See ed. of 1630.
1630. DE LAET, J. Beschrijvinghe | van | West-Indien | door Ioannes de Laet. | Tweede Druck: | In ontallijcke plaetsen ver- | betert, vermeerdert, met enige nieuwe Caerten, beelden van | verscheyden dieren ende | planten verciert. | Tot Leyden, bij de Elzeviers. A°. 1630. | Met Priuilegie. 1 vol. Folio. 14 p. ll., incl. half-title, eng. title, dedication, privilege, introduction, contents, list of (14) maps, and errata, pp. 1-622, 9 ll. (index), maps and other illustrations.  
Orig. ed. 1625. This is the only edition of the famous work I have seen; I cite several others from Sabin's *Bibl.*

1333. DE LAET, J. Novvs Orbis | sen | Descriptionis | Indiae Occidentalis—Libri XVIII. | Authore | Ioanne de Laet Antverp. | Novis Tabulis Geographiis et variis | Animalium, Plantarum Fructuumque | Iconibus illustrati. | Cvm Privilegio. | Lygd. Batav. apud Elsevirios. A°. 1633. 1 vol. Folio. 16 p. ll. incl. half-title, eng. title, and list of (14) maps, pp. 1-690, 9 ll. (index).
1640. DE LAET, J. L'Histoire | dv | Nouveau Monde | ou | description | des Indes Occidentales, | Contenant dix-huit Liures, | Par le Sieur Iean de Laet, d'Anvers; | Enrichi de nonnelles Tables Geographiques & Figures des | Animaux, Plantes & Fruiers. | [Dessin.] | A Leyde, | Chez Bonaventure & Abraham Elseviers, Imprimeurs | ordinaires de l'Vniuersité. | — | Clo Loc XL. 1 vol. Folio. 14 p. ll., pp. 1-632, 6 ll., 14 maps.

"This French translation of Laet contains many materials not found in the original Dutch, . . . This work is full of the most excellent and curious details of the natural history, . . ."

1682. NIENHOFF, J. Johan Nienhofs | Gedenkweerdige | Brasiliaense | Zee-en Lant- | Reize. | Behelzende | Al het geen op dezelve is voorgevallen. | Beneficns | Een bondige beschrijving van gantsch | Neerlants Brasil, | Zoo van lantschappen, steden, dieren, gewassen, als | draghten, zeden en godsdienst der inwoonders: | En inzonderheit | Een wijtloopig verhael der merkwaardigste voorvallen | en geschiedenissen, die zich, geduurende zijn negenjarigh | verblijf in Brasil, in d'oorlogen en opstant der Portugesen | tegen d' onzen, zich sedert het jaer 1640. tot 1649. | hebben toegedragen. | Doorgaens vereiert met verscheide afbeeldingen, na 't leven aldaer getekent. | [Afbeeld.] | t' Amsterdam. | — | Voor de Weduwe van Jacob van Meurs, op de Keizers-gracht. 1682. 1 vol. Folio. Eng. title, illum. title, dedication, arms, privilege, introduction, each one leaf; pp. 1-308, 2 ll. (directions to binder, and index); 44 engravings.

See what is said *antea*, p. 241. In addition to this, there is on p. 281 a heading "Indiaense en Javaense vogels en viervoetige dieren": under which descriptions of various East Indian and particularly Javan birds run to p. 288, including two engravings on which the Dodo and various other birds are figured.

The above is the full printed title. The work is scarcely citable in the present connection, being of a more general character.

1724. [LABAT, *Père J. B.*] Nouveau | Voyage | [du Père Jean Baptiste Labat] | aux Isles | de l'Amerique. | Contenant | L'Histoire Naturelle de ces Pays, | l'Origine, les Mœurs, la Religion & le Gouvernement des | Habitans anciens & modernes: | Les Guerres & les Evenemens singuliers qui y sont arrivez pendant | le long séjour que l'Auteur y a fait: | le Commerce et les Manufactures | qui y sont établies, & les moyens de les augmenter. | Ouvrage enrichi d'un grand nombre de Cartes, Plans, & Figures en Taille-douce. | Tome premier [second]. | [Vignette.] | A la Haye, | Chez { P. Hussion. T. Johnson. J. Van Duren. R. Alberts. P. Gosse } & C. Le Vier. | M. DCC. xxiv. 2 vols. 4to. Vol. I, 3 p. ll., pp. j-viii, 1-360, 2 ll., 47 maps and plates. Vol. II, 4 p. ll., pp. 1-520, 9 ll., many maps and plates.

There are many editions. Sabin's *Bibl.* gives the following, besides the above:—Paris, 6 vols., 12mo, 1722.—La Haye, 6 vols., 12mo, 1724.—Paris, 8 vols., 12mo, 1742; augmented.—Paris, 8vo, 1831; abridged.—Dutch, Amsterdam, 4 vols., 4to, 1725.—Latin, Nürnberg, 7 vols., 12mo, 1782-88.

The celebrated work is very full on the Natural History of the West Indies, and ornithology comes in for its share of treatment; but the copious details are so scattered through the volumes that formal citation of the bird-matter becomes inconvenient.

1745. WARREN, G. Impartial Description of Surinam, &c.

The date of the original is said to be 1667. The only shape in which I have handled it is as a part of Vol. II of Osborn's "A Collection of Voyages and Travels", etc., folio, London, 1745, where it is given with a half-title-page as follows:—An impartial | Description | of | Surinam | upon the | Continent of Guinea | in | America. | With a | History of several strange

## 1745. WARREN, G.—Continued.

Beasts, Birds, Fishes, Serpents, In-|sects, and Customs of that Colony, &c. | Worthy the Perusal of all, from the Experience of | George Warren, Gent. | pp. 919-931. Chap. IV. Of the Birds; p. 924. a column of remarks, of no consequence.

1765. FERMIN, P. Histoire | Naturelle | de la | Hollande Equinoxiale; | ou | Description | des Animaux, Plantes, Fruits, et autres | Curiosité's Naturelles, qui se trouvent | dans la colonie de | Surinam; | avec Leurs Noms différents, tant François, que Latins. | Hollandois, Indiens & Nègre-Anglois. | Par | Philippe Fermin, | Docteur en Médecine. | [Vignette.] A Amsterdam, | Chez M. Magé-  
rus, Libraire. MDCCLXV. 1 vol. 8vo. pp. i-xii, 1-240, 1 l.

Seconde Partie. Des Oiseaux, Poissons, et Testacées, pp. 57-108, where a few birds, fishes, and mollusks are given in alphabetical order, mixed together, with slight descriptions, or definitions of the names, of each.

1782. [PALLAS, P. S.] Beschreibung zweyer südamerikanischer merkwürdiger Vögel.  
< *Neue Nordische Beyträge*, iii, 1782, pp. 1-7, pl. i.

1. Der kleine schwarze Kukuk aus Surinam (*Cuculus teschrosus*), p. 2, pl. i, f. 1. 2. Der aller kleinste Specht oder Wendehals, aus Südamerika (*Picus nainatissimus*), p. 5, pl. i, f. 2.

1793. WEST, H. Bidrag | til | beskrivelse | over St<sup>r</sup> Croix | med en | kort Udsigt | over | St. Thomas, St. Jean, Tortola. | Spanishtown og Crabenciland. | Af | H. West. | Rector ved det vestindiske Skole-Institut. | — | Kiöbenhavn, 1793. . | Trykt hos Frederik Wilhelm Thiele. 1 vol. 16mo. 3 p. ll., 1-364, folded sheet opp. p. 294.

This is the *ed. princ.*; there is another, German, Copenhagen, 1794. The only bird-matter consists of a list of 2 spp., on p. 317—*Ardea coerules* and *Fulica chloropus* (= *Gallinula galeata*).

1810. LEDRU, A.-P. Voyage | aux Iles | de Ténériffé, | La Trinité, Saint-Thomas, | Sainte-Croix et Porto-Ricco. | exécuté par ordre du Gouvernement François, | Depuis le 30 Septembre 1796 jusqu'an 7 Juin 1798, sous la | Direction du Capitaine Baudin, pour faire des Recherches | et des Collections relatives à l'Histoire Naturelle; | contenant | Des Observations sur le Climat, le Sol, la Population, | l'Agriculture, les Productions de ces Iles, le Caractère, les | Mœurs et le Commerce de leurs Habitants. | Par André-Pierre Ledru, | [etc., trois lignes.] | Ouvrage accompagné de notes et d'additions, | par M. Sonnini. | Avec une très-belle Carte gravée par J. B. Tardieu, d'après Lopez. | Tome premier [second]. | A Paris, | Chez Arthur Bertrand, Libraire, rue Haute feuille, n<sup>o</sup> 23. | — | 1810. 2 vols. 16mo. Vol. I, 2 p. ll., pp. i-xlvij, 1-315, 1 l. Vol. II, 2 p. ll., pp. 1-324, 1 l., map.

Vol. I, Chap. XIII. Essai sur l'histoire naturelle de l'île de Ténériffé, pp. 176 et seq. Oiseaux, pp. 177-185, par l'auteur. Notes sur les animaux dont il est question dans le chapitre précédent, par Sonnini, pp. 219-231. Note sur le Pélecan, par Sonnini, pp. 245, 246. Chap. XVI. Notice sur l'île de la Trinité, par l'auteur, pp. 247 et seq. Oiseaux, pp. 258-261. Notes sur l'histoire, et particulièrement sur l'histoire naturelle de l'île de la Trinité, par Sonnini, pp. 267 et seq. Oiseaux, pp. 296-307.—Vol. II, Chap. XIX. Essai sur l'histoire naturelle des îles danoises, pp. 36 et seq. Oiseaux, pp. 38, 39. Chap. XXVIII. Histoire naturelle de Porto-Ricco, pp. 194 et seq. Oiseaux, pp. 199-209. Addition à l'histoire naturelle de Porto-Ricco, par Sonnini, pp. 255 et seq. Oiseaux, pp. 256-274.

## 1811. HUMBOLDT, A. V. Recueil d'Observations de Zoologie. 1811.

Not seen: said to contain a few brief notices of the birds of Colombia.

## 1811-12. LEDRU, A.-P. Reise nach den Inseln Ténériffa, Trinidad, St. Thomas, St. Cruz, und Porto-Rico, . . . Aus dem Französischen, mit Bemerkungen über Colonialwaaren von E. A. W. Zimmermann. Leipzig, 1811-12. 2 vols. 8vo.

Not seen: title from Sabin's *Bibl.*

## 1823-31. SPIX, J. B. V., and MARTIUS, C. F. P. v. Reise | in | Brasilien | auf Befehl Sr. Majestät | Maximilian Joseph I. | Königs von Baiern | in den Jahren 1817 bis 1820 gemacht und beschrieben | von | Dr. Joh. Bapt. von Spix, | [etc., 3 Zeilen.] | und Dr. Carl Friedr. Phil. von Martius. | [etc., 3 Zeilen.] | Erster

- 1823-31. SPIX, J. B. V., and MARTIUS, C. F. P. V.—Continued.

[—dritter] Theil. | — | München, 1823 [1828, 1831]. . . . 3 vols. 4to.—  
Erster Theil, München, 1823, gedruckt bei M. Lindauer, 4 p. ll., pp. i-x, 1-412.  
Zweiter Theil, bearbeitet und herausgegeben von Dr. C. F. P. von Martius,  
München, 1828, gedruckt bei I. J. Leutner, pp. i-viii, 413-884, 1 l. Dritter  
Theil, bearb. u. herausg. von Dr. C. F. P. von Martius, München, 1831, bei  
dem Verfasser, Leipzig, in Comm. bei Friedr. Fleischer, pp. i-viii, 885-1388,  
geographischer Anhang, 1 p. l., pp. 1-40, und Karte vom Amazonenstrom.

The copy examined contains no formal presentation of the ornithology, and only one map. There is an English translation of a portion of the work, 1824, *q. v.* The natural history is said to be contained in a special appendix to Theil III, and to be also found separate under the title „Die Pflanzen und Thiere des tropischen America“ n. s. w., München, 1831, gr.-4to mit 4 Taf. in-folio.

1824. SPIX, J. B. V., and MARTIUS, C. F. P. V. Travels | in | Brazil, | in the years |  
1817-1820. | Undertaken by command of | His Majesty the King of Bavaria. |  
By | Dr. Joh. Bapt. von Spix, | and Dr. C. F. Phil. von Martius, | [etc., 3  
lines.] | — | Volume the first [second]. | — | London: | printed for | Long-  
man, Hurst, Rees, Orme, Brown, and Green, | Paternoster-row. | 1824. 2 vols.  
in 1. 8vo. Vol. I, pp. iii-xxii, 1-327, 4 pll. Vol. II, pp. iii-x, 1-298, 5 pll.

This is an English translation of *portions* of Spix and Martius's *Reise*, not of the whole work, which was not completed until 1831. It does not contain the natural history proper of the work, which is in the concluding part of the German work; only giving some little bird-matter incidentally, here and there. (See this Bibliography, *antea*, p. 250, at date of 1823-31.)

1831. WAGNER, J. A. Beiträge | zur | Kenntniss der warmblütigen Wirbelthiere |  
Amerika's. | Von | Professor Dr. Johann Andreas Wagner. | [n. d., n. p.  
Kempten, 1831.] 1 vol. 4to. pp. 94, pll. v.

Diese mit Halbtitel versehene Broschüre enthält: Osteographische Beiträge zur Kenntniss einiger südamerikanischen Vögel. I. *Crypturus variegatus*, pp. 56-66, pl. iii, f. 1-6. II. *Dicholophus cristatus*, pp. 66-72, pl. iii, f. 7-11. III. *Psophia crepitans*, pp. 72-77, pl. iv, f. 1-4. IV. *Mycteria americana*, pp. 77-83, pl. iv, f. 5-7.

- 1831-35. KITTLITZ, P. H. V. Über einige Vögel von Chili, beobachtet im März und  
Anfang April 1827. < *Mém. présentés à l'Acad. Imp. des Sci. de St.-Petersb. par  
divers Savans Étrang.*, i, 1831, pp. 173-194, pll. —?; ii, 1835, pp. 465-472, pll.  
1-5. (Auch als Separat-Abdruck erschienen.)

I. 1831.—*Phytotoma silens*, p. 175; *Pteroptochos rubecula*, p. 179; *P. albicollis*, p. 180; *P. megapodius*, p. 182; *Troglodytes paradoxus*, p. 184; *Synnalaxis* [sic] *humicola*, p. 185; *S. aegithaloides*, p. 187; *Opetiorynchos* [sic] *rupestris*, p. 188; *Muscicapa parulus*, p. 190; *M. pyrope*, p. 191; *Fringilla diuca* (Mol.), p. 192; *Crypturus perdicarius*, p. 193. (Title calls for 12 colored plates; no plates found in copy examined.)

II. 1835.—13. *Tamnophilus* [sic] *lividus*, p. 465, pl. 1; 14. *Sturnus atterimus*, p. 467, pl. 2; 15. *Alauda fissirostris*, p. 468, pl. 3; 16. *Fringilla arvensis*, p. 470, pl. 4; 17. *Anas chalconotera*, pl. 471, pl. 5 (lettered *chalconotera*).

*Obs.* This reference is often misquoted as if it were to the regular *Mém. de l'Acad. St.-Petersb.*

1833. SCHREIBER, [C. v.] Collectanea ad Faunam Braziliae.

Not seen. "M. Schreiber of Vienna commenced, in 1833, the 'Collectanea ad Faunam Braziliae', but only one number of that work was ever published."

1834. LESSON, R. P. Sur quelques Oiseaux du Chili. < *L'Institut*, ii, 1834, No. 72,  
p. 316. (Soc. des Sc. et Arts de Rochefort.)

Not seen: title from Carus and Engelmann.

- 1834-41. SWAINSON, W. The | Ornithological | Drawings | of | William Swainson |  
Esq., A. C. G. | [etc., 4 lines.] | — | Part 5 [mut. mut.]. | The Birds of Brazil.  
| — | London: | Baldwin & Cradock. | Treuttel. Würtz & Richter Paris, &  
Strasbourg. | Oliver & Boyd, Edinburgh Robinson's Liverpool. | Robt.  
Havell, 77, Oxford St. Price 7/. Cold. 10/6. Double Plates 15/. | [n. d.  
"1834-1841."] 8vo. Engr. cover-title and 62 ("78") colored plates. "Pub.  
in 7 parts."

The piece handled consists of 62 colored plates, without any text, there being only the engraved cover-title above transcribed. It is not dated; but there is pencilled in msc. of T. N.

## 1834-41. SWAINSON, W.—Continued.

Gill a date, "1834-1841"; and the same hand notes on the fly-leaf "Part 6 wanting", leaving it open to infer that there are several lots or "Parts". The number of Part "5" is also written, not printed; so that probably the same engraved title covers other parts. The dates above cited are presumed to be those of publication of the whole series. The plates are as follows; I do not know that these 62 (some cite "78") are all of them:—Pl. 1, *I[cterus] hemorrhous*. 2, *[Assicus] affinis*. 3, *O. icteronotus*. 4, *O. nigerrimus*. 5, Blueheaded Tanager, "A." *cyanocephala*. 6, *A. citrinella*. 7, *A. cuculata*. 8, *A. cyanoptera*. 9, Long-billed Puff Bird, "*Tamatia?*" *somnolenta*. 10, *T. leucotis*. 11, *T. maculata*. 12, *T. leucops*. 13, *T[roglodytes] cequinoctialis*. 14, *T. carinatus*. 15, *T. nititans*. 16, *Thryothorus striolatus*. 17, Black-masked Tanager, *R[hampho . . . ?] gularis*. 18, *R. coccineus*. 19, same, ♀. 20, *R. atro-coccineus*. 21, *T[rochilus] cristatus*. 22, *T. delalandii*. 23, *P[ipra] galeata*. 24, *Calyptura cristata*. 25, *P[ipra] strigilata*. 26, *Pepra* [sic] *manacus*. 27, Mango Hummingbird, young. 28, *L[amprolaima] mango*. 29, *T[rochilus] auritus*. 30, *T. moschitus*. 31, Black-backed Tanager, "A." *melanotus* Sw. 32, *[Assicus] cristatus*. 33, *Lochinia squamulata* Sw. 34, *Lypornix striata*. 35, *L. rubicula*. 36, *L. tenebrosa*. 37, *T[anagra] cana* Sw. 38, *T. olivascens* Licht. 39, *T. episcopus*. 40, *T. mornata* [sic—lege *inornata*]. 41, *T. caelestes*. 42, *T. ornata*. 43, Black-backed Tanager, "A." *melanotis* [sic—lege *melanonotus*]. 44, *Pipra parcola*. 45, *P. caudata*. 46, *Tyrannula superciliosa*. 47, *T. megacephala*. 48, *T. modesta*. 49, *T. caniceps*. 50, *Tyrannus circumcinctus*. 51, *Megalophus regius*. 52, same. 53, *Tyrannula ferruginea*. 54, *T. curtipes*. 55, *Platyrus corniculatus*. 56, same, ♀. 57, *P. affinis*. 58, *Cyclariis* [sic] *guianensis*. 59, *Thamnophilus naevius*. 60, *T. bicolor*. 61, *Trogon auratus*. 62, same, ♀. The complete series is said to consist of 78 plates, published in 7 parts. Other titles of the same thing in current quotation are: "Ornithological Drawings, being figures of the rarer and most interesting Birds of Brazil"; and "A selection of the Birds of Brazil and Mexico."

1836. KITTLITZ, F. H. v. Cinq nouvelles espèces d'Oiseaux du Chili. < *L'Institut*, iv, No. 190, 1836, p. 442.

Not seen: title from Carus and Engelmann. Compare 1831-35, same author. See, also, *Isis*, 1836, pp. 347-351.

1843. GOUDOT, J. Observations sur l'organisation et les habitudes du coq de roche péruvien (*Pipra peruviana*, Lath.), et du caurale (*Ardea helias*, Lin.). < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., 1843, Ois., pp. 1-4, pl. 37, 38.

Pl. 37, œuf du *Rupicola peruviana*; pl. 38, œuf de l'*Eurypyga phalenoïdes*.

## 1848. SCHOMBURGK, R. H. The | History of Barbadoes; | comprising | a geographical and statistical | description of the Island; | a sketch of the | historical events since the settlement; | and an account of its | geology and natural productions. | By | Sir Robert H. Schomburgk, Ph. D., [etc., 6 lines.] | [Seal.] | London: | Longman, Brown, Green and Longmans. | 1848. 1 vol. Roy. 8vo. pp. i-xxii, 1-722, frontisp., eng. title, 7 other plates, 13 woodce., folding sheet opp. p. 686.

Part III, Chap. V, Animated Nature as developed in the Barbadoes, . . . Birds, pp. 680-682; an inconsiderable list, preceded by a few general observations.

1863. PHILIPPI, R. A., and LANDBECK, L. Beschreibung einer neuen Ente und einer neuen Seeschwalbe. < *Arch.f. Naturg.*, —, 1863, pp. 202 —.

Not seen.—*Querquedula angustirostris*, *Sterna atrofasciata*, aus Südamerika.

1866. [GUYON, —.] Ueber die Thiere, die auf den Inseln Martinique und Guadeloupe seit der Besitznahme durch die Franzosen verschwunden sind. < *Aus der Natur*, xxxviii, oder n. F. xxvi, 1866, pp. 730-733.

Auszug aus den *Compt. Rend.*, lxiii, 1866, pp. 589-593.

## INDEX.

## A.—AUTHORS.

[NOTE.—With catch-titles. Chronological arrangement under each head. Joint-authorships under leading name. Figures refer to dates under which titles are alphabetized: double dates are found in the Bibliography at end of series of single dates: thus, 1877-78 at end of 1877. Anonymous, pseudonymous, editorial, and initial titles mostly omitted.]

## ABBOTT, C. C.

Notes on Birds of the Falkland Islands, 1860, 1861.

## ABBOTT, S. L.

Remarks on Birds from Surinam, 1844.

## ALBRECHT.

Zur Ornithologie Cuba's, 1861.

Zur Ornithologie von Jamaica, 1862.

## ALLEN.

Exploration of Lake Titicaca, 1876.

Review of Lawrence's Papers, 1876.

Birds collected by Linden in Brazil, 1877.

## ARBOLEYA.

Manual de la Isla de Cuba, 1852.

## AZARA.

Apuntamientos, 1802-05, 1809.

## BAIRD.

List of Birds of Mexico, Central and South America not in Smithsonian Institution, 1863.

Dates of Publication of *Anales Univ. Chile* and *Arch. f. Naturg.*, 1866.

## BANCROFT.

Natural History of Guiana, 1769, 1769.

## BATES.

Naturalist on the Amazon, 1863, 1864.

## BECKLEMICHEW.

Deux Oiseaux Nouveaux du Brésil, 1829.

## BELL.

Wildfowl of Jamaica, 1868.

## BELLO Y ESPINOSA.

Zoologische Notizen aus Porto Rico, 1871.

## BENVENUTI.

Descrizione di quattro Trochilidi e di una Dendroeca, 1866.

## BERLEPSCH.

Zur Ornith. der Provinz Sta. Catharina, 1873-74.

## BERNSÉE.

On Birds of the East Falklands, 1855.

## BISHOP.

The Pampas and Andes, 1869.

Notes on Lumbey's 'Birds', 1878.

## BOECK.

Über die Ornis der Provinz Valdivia, 1855.

## BOISSONNEAU.

Oiseaux Nouveaux de Santa-Fé de Bogota, 1840, 1840.

## BOLLE.

Guano-Gewinnung auf den Chincha-Inseln, 1861.

## BONAPARTE.

Descriptions of Ten South American Birds, 1825.

Notes to former paper, 1825.

Catalogue Méthodique des Oiseaux recueillis à Cayenne par Desplanches, 1857.

Notices and Descriptions of Birds from Mexico and South America, 1837.

Catalogo di Uccelli Messicani e Peruviani, 1838.

Catalogue d'Oiseaux du Mexique et du Pérou, 1840.

## BONYAN.

On Raptorial Birds of British Guiana, 1851, 1853.

## BOUCARD.

On Birds collected in Costa Rica, 1878.

## BREHOW.

Auszüge aus den Schreiben des reisenden C. Moritz in Süd-Amerika, 1837.

## BREWSTER.

List of Birds of Cuba, 1859.

## BRIDGES.

Notes on Birds from Chile, 1841.

Notice of Bolivian Birds, 1846.

Additional Notes on South American Ornithology, 1847, 1847.

## BROWN, C. B.

Canoe and Camp Life in British Guiana, 1876.

- BROWNE, P.  
Jamaica, 1756, 17-9.
- BRYANT.  
On Two Birds from Bogota, 1859.  
Vögel von Porto Rico, 1866.  
List of Birds from Porto Rico presented by Swift and Latimer, 1866.  
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\*Dele titulum, antea, p. 256; stet—

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7<sup>e</sup> année, 1837, Classe II., pp. 1-88, pll. lxxvii-lxxix; 8<sup>e</sup> année, 1838, Classe II., pp. 1-34.

Species novae aut nupera d'Orbigny ipso editae:—*Mycter gymnocephalus*, *Phalacrocorax montanus*, p. 2; *Buteo tricolor*, p. 6; *B. unicolor*, p. 7; *Tamiasphilus* [sic] *fuliginosus*, *T. aspersicenter*, p. 10; *T. atropileus*, *T. maculatus*, *T. aterrimus*, p. 11; *T. rufator*, *T. affinis*, p. 12; *T. lafresnayanus*, *Conopophaga ardesiaca*, *C. nigro-cincta*, p. 13; *Merularis* [sic] *analis*, *M. nigromaculata*, p. 14; *Megalonyx ruficeps*, p. 15; *T. fuscater*, *T. chiquanco*, p. 16; *T. olivaceus*, ? *Orpheus calandrin*, p. 17; *O. dorsalis*, ? *O. triacaudatus*, p. 18; *O. patagonicus*, *Donacobius albo vittatus*, p. 19; *Sylvia ruficeps*, *S. concolor*, p. 20; *Dacnis flavicenter*, *D. analis*, *Synallaxis dorso maculata*, p. 21; *S. maluroides*, *S. troglodytoides*, *S. striaticeps*, p. 22; *S. albiceps*, *S. fuliginiceps*, p. 23; *S. leucocephala*, *S. bitorquata*, p. 24; *S. torquata*, *Troglodytes pallida*, *T. tectellata* [sic], p. 25; *T. guaragani*, p. 26; *Anthus fuscatus*, *A. rufescens*, p. 27; *Nemotus sordida*, *Tachyphonus versicolor*, p. 28; *T. flavinucha*, *T. luctuosus*, ? *T. capitatus*, p. 29; *Euphonia lanirostris*, *E. serrirostris*, *E. ruficeps*, p. 30; *Aglaius yeni*, p. 31; *A. montana*, *A. igniventris*, *A. cyanocephala*, p. 32; *A. cyanicollis*, *Pyrrhula albicollis*, p. 33; *Ramphocelus atrosericeus*, *Embernagra torquata*, p. 34; *E. rufinucha*, *Saltator rufiventris*, p. 35; *S. similis*, p. 36; *Phytoloma angustirostris*, p. 37; *Pipra fasciata*, p. 38; *Ampelis rubro-cristata*, p. 39; *A. viridis*, p. 40; *Tyrannus tuberculifer*, *T. fumigatus*, p. 43; *T. rufescens* (Sw.), p. 44; *T. rufiventris*, p. 45; *T. aurantio-atrocristatus*, p. 45; ? *Tandirostrum margaritaceus*, p. 46; *T. caudatum*, *Muscipeta albiceps*, p. 47; *M. obscura*, *M. bimaculata*, p. 48; *M. brevisrostris*, *M. cinnamomea*, p. 49; *Setophaga brunniciceps*, *S. virens*, p. 50; *Muscicapa striaticollis*, *M. birtata*, p. 51; *M. elegans*, *M. angustirostris*, p. 52; *M. leucophrys*, *M. stramineo-ventris*, p. 53; *M. olivacea*, p. 54; *Calicivora budytoides*, p. 56; *C. reguloides*, p. 57; *Fluvicola nigerrima*, p. 59; *F. leucophrys*, *F. rufi-pectoralis*, *F. oceanitoides*, p. 60; *Muscigralla* (g. n.), *breviceauda*, *Pepoza* (g. n.), p. 61; *P. murina*, *P. caricata*, p. 63; *P. montana*, p. 64; *P. maritima*, p. 65; *Muscisaxicola* (g. n.), p. 65; *M. rufiventer*, *M. mentalis*, *M. maculirostris*, *M. striaticeps*, p. 66; *Hirundo patagonica*, *H. antecola*, p. 69; *Cypselus montagnus*, *C. andecolus*, p. 70; *Certhiada maritima*, *C. tenuirostris*, p. 72; *Emberiza lutea*, *E. luteocephala*, p. 74; *E. uropigialis* [sic], *E. olivaceus*, p. 75; *E. atriceps*, p. 76; *E. fulvipes*, p. 77; *E. speculifera*, p. 78; *E. griseo-cristata*, *E. unicolor*, *E. carbonaria*, p. 79; *E. hypochrysa* [sic] (*Oppetiorhynchus* [sic] *dumetorum* "Is. Geoff. et d'Orb. Mus. Paris"), p. 80; *E. obscura*, p. 81; *E. torquata*, p. 82; *Carduelis atrata*, *Linaria analis*, p. 83; *Pitylus aureoventris*, p. 84; *Pyrrhula glauco-cerulea*, p. 85; *P. bicolor*, p. 86; *P. cinerea*, *P. nigro-rufa*, p. 87; *P. abaudina*, p. 88.

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## PHILIPPI.—Continued.

Excursion al Cajon de los Cipreses,  
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Enumération des espèces, etc., de Cuba, 1859.

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Aperçu d'un Voyage dans le Brésil, 1822.

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## SALLÉ.—Continued.

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## SALLÉ and PARZUDAKI.

Liste d'Oiseaux à vendre, 1862.

## SALVADORI.

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- List of a Collection received by Gould from Quijos in Ecuador, 1854, 1855.
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- Five new species of American Birds, 1858, 1859.
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- First collections made by Fraser at Pallatanga, Ecuador, 1859.
- New or little-known Birds from the Rio Napo, 1859.
- Eggs of two Raptores from the Falklands, 1860.
- List of additional Birds collected by Fraser at Pallatanga, etc., 1860.
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- List of Birds collected by Fraser at Bahoyo, etc., 1860.
- List of Birds collected by Fraser at Esmeralda, 1860.
- Catalogue of Birds of the Falklands, 1860.
- New Birds collected by Fraser at Pallatanga, 1860.
- Ten new species of American Birds, 1860.
- Two new Birds from the Rio Napo, 1860.
- Eight new species of American Birds, 1861.
- Additions and corrections to List of Birds of the Falklands, 1861.
- Collection of Birds made by Osburn in Jamaica, 1861.
- Catalogue of a collection of American Birds, 1861-62.
- Birds collected by Boucard in Southern Mexico, 1862.
- Nine new Birds from Bogota, 1862, 1862.
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- Seven new Birds discovered by Natterer in Brazil, 1864.
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- Letters from E. Bartlett, 1867.
- Remarks on Léotaud's Ois. Trinidad, 1867.
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- Notices of some new Birds of South America, 1870.
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- Land Birds of Juan Fernandez, 1871.
- Correspondence with C. W. des Vœux, 1871.
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- Note on the 'Nomenclator Avium Neotropicalium', 1873.
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- News of Mr. Salvin, 1874.
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On the Ornithology of Central America, 1859.

Eleven new Birds from Guatemala, 1860, 1860.

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Birds collected at Conchitas by Hudson, 1868, 1869, 1869.

New Species of Fringillidæ, Oxyrrhamphidæ, Bucconidæ, and Strigidæ, 1868.

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Birds collected on the Blewfields River by Wickham, 1867.

Birds collected by Wallace on the Amazon, 1867.

Birds collected by Bartlett on the Hualaga, 1867.

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Six new Species of Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopaciidæ, 1869.

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## SCHREIBER.

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## SCOUER.

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## SEEMANN.

Notes on the Zoology of Panama, 1852.

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## SPENCE.

The Land of Bolivar, 1878.

## SPERLING.

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## SPIX.

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## SPIX and MARTIUS.

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## STERNBERG.

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## STRICKLAND.

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## STUBBS.

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## SUNDEVALL.

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## SWAINSON.

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## TACZANOWSKI.

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Liste d'Ois. recueillis par Jelski dans  
le Pérou, 1874.

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## TAYLOR. E. C.

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## TAYLOR. G. C.

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## TAYLOR. R. C.

Natural Objects observed in Cuba, 1836.

## TAYLOR. W. J.

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## THIENEMANN.

Ueber Eier und Nester Cubanischer  
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## THUNBERG.

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## TSCHUDI.

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Vögel, 1843.

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Peruana reperiuntur, etc., 1844.

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## TSCHUDI and CABANIS.

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## VIGORS.

On some Birds from Cuba, 1828.

Ueber einige Vögel aus Cuba, 1830.

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Straits, 1831.

New Birds collected by Cuming in Chili  
and Mexico, 1832.

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On a Collection of Birds from the West  
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## WAFER.

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## WAGNER.

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## WALLACE.

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## WARREN.

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## WEST.

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## WILLIAMS.

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## WYATT.

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## YARRELL.

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## B.—LOCALITIES.

[NOTE.—In the nature of the case some of the titles can scarcely be indexed here, and anonymous, pseudonymous, and ephemeral titles are mostly omitted, the intention being mainly to give a ready clue to the Faunal Lists, etc., of the leading geographical areas of Neotropical America. The few *Mexican* titles here given are only those that should have come in the Nearctic list given on a previous occasion. Articles relating to Central and South America at large are grouped together under the first head following. "West Indies" is given; but see also the several islands composing them.]

AMERICA (*neotropica*).

- Condamine*. Relation d'un Voyage, 1749.  
*Sonnini*. Sur les Coqs et Poules de l'Amérique du Sud, 1775.  
*Sonnini*. Du Sasa, 1785.  
*Pallas*. Zwey südamerikanische Vögel, 1782, (p. 307).  
*Humboldt*. Ueber die Chinawälder, 1807.  
*Thunberg*. Pipræ species novæ, 1822.  
*Bonaparte*. Ten species of Birds, 1825.  
*Bonaparte*. Note to ten species of Birds, 1825.  
*Seouler*. Account of a Voyage, 1826.  
*Férussac*. Voyage de M. A. d'Orbigny, 1829.  
*d'Orbigny*. Lettres à M. de Férussac, 183-.  
*Wagner*. Beiträge zur Kenntniss der Wirbelthiere, 1831, (p. 308).  
*Figors*. New Birds collected by Cumming in Chile and Mexico, 1832, 1835.  
*Gould*. Sur des Oiseaux, 1834.  
*Bonaparte*. New Birds from Mexico and South America, 1837.  
*Bredow*. Auszüge aus den Schreiben von C. Moritz, 1837.  
*d'Orbigny*. Voyage, 1835-44-47.  
*Bonaparte*. Notices and Descriptions of new Birds from Mexico and South America, 1837.  
*Gould*. Characters of three new Birds, 1837.  
*L'Hermiçer*. Anatomie verschiedener Vögel aus, 1837.  
*Lesson*. Neue Vögel aus, 1837.  
*d'Orbigny*. Distrib. Géograph. des Passereaux de, 1837.  
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*d'Orbigny and Lafresnaye*. Synopsis Avium, 1837-38.  
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- Figors*. Obs. on a Collection from West Coast of America, 1839.  
*Lafresnaye*. Oiseaux nouveaux tués par Lélancher, 1840.  
*Lesson*. Oiseaux nouveaux, 1840.  
*Gould*. Zoology of the Voyage of the Beagle, 1841.  
*Lesson*. Sur les Ois. nouv. de la Mer du Sud, 1842.  
*Lesson*. Species avium novæ aut minùs cognitæ, 1842.  
*Fraser*. On Bridges's Collection of Birds, 1843.  
*Lesson*. Ois. nouveaux, 1844.  
*Des Murs*. Quelques espèces nouvelles d'Oiseaux, 1845.  
*Lafresnaye*. Ois. nouveaux rapportés par Lélancher, 1845.  
*Lafresnaye*. Quelques Ois. nouveaux, 1845.  
*Bridges*. Notes in addition to former papers on Ornithology, 1847, 1847.  
*Lafresnaye*. Quelques Ois. nouv. rapportés par Delattre de Bolivie, de la Nouv. Grenade et de Panama, 1847, 1847.  
*Castelnau*. Considérations de l'Ornithologie, 1848.  
*Dubus*. Ueber einige Vögel, 1848, 1848, 1848.  
*Lafresnaye*. Reconnaissance de quinze Ois. nouv. décrits par Dubus, 1848.  
*Lafresnaye*. Quelques Ois. nouv. de Caracas et de Bogota, 1848.  
*Lafresnaye*. Quelques Ois. nouv. de Colombie et du Mexique, 1848.  
*Cornalia*. Vertebratorum Synopsis, 1849.  
*Deville*. Descr. de quelques Ois. nouv., 1849.  
*Deville*. Quatre Ois. nouv. de l'expédition de M. Castelnau, 1851.  
*Deville*. Observations faites en Amérique, 1852.

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*Jardine*. New Birds from the Parisian Collections, 1852.

*Slater*. Six Ois. nouv., 1852.

*Slater*. Deux nouvelles esp. d'Oiseaux, 1853, 1854.

*Cassin*. Gilliss's U. S. Astron. Exped., 1855.

*Des Murs*. Ois. nouv. ou rares recueillis, 1855.

*Gould*. Eight new species of Birds, 1855, 1855.

*Des Murs*. Expédition de M. Castlenau dans les parties centrales, 1856.

*Gould*. Eight new species of Birds, 1856.

*Lawrence*. New species of Chordeiles and Polioptila, 1856.

*Slater*. Eight new species of Birds, 1856.

*Gould*. New Trogon and Odontophorus, 1857.

*Hartlaub*. Zur Ornithologie, 1857.

*Slater*. Eleven new Birds from Tropical America, 1857, 1858.

*Slater*. New genus and some new species, 1858.

*Slater*. Five new species from Central and, 1858, 1859.

*Cassin*. La Plata, the Argentine Republic, and Paraguay, 1859.

*Moore*. List of Birds collected by Leyland in Honduras, Belize, and Guatemala, 1859.

*Slater and Salvin*. On the Ornithology of, 1859.

*Slater*. Ten new species of American Birds, 1860.

*Lawrence*. New Phaeton and Heliopadica, 1860.

*Lawrence*. New Myiarchus and Phlogopsis, 1860.

*Lawrence*. Three new Birds from Central America, 1861.

*Slater*. Eight new species of American Birds, 1861.

*Lawrence*. New Charadriidae, Trochilidae, and Caprimulgidae, 1862.

*Slater*. Cat. of a Collection of American Birds, 1861-62.

*Lawrence*. New Vireonidae and Rallidae, 1863.

*Salvin*. Thirteen new Birds discovered by Godman and Salvin in Central America, 1863.

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*Cassin*. Notes on some Birds, 1864.

*Lawrence*. New Tanagridae, Cuculidae, and Trochilidae, 1864.

*Lawrence*. New Cerebidae, Tanagridae, Icteridae, and Scolopacidae, 1864.

*Lawrence*. New Tanagridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Trochilidae, 1865.

*Lawrence*. Six new Birds from Central America, 1865.

*Lawrence*. New Paridae, Vireonidae, Tyrannidae, and Trochilidae, 1865.

*Lawrence*. Seven new Birds, 1866.

*Lawrence*. Six new species of Hirundinidae, Formicariidae, Tyrannidae, and Trochilidae, 1866.

*Slater and Salvin*. Exotic Ornithology, 1866-69.

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*De Verteuil.* Trinidad, 1858.

*Léotaud.* Ois. de l'Île de la, 1866.

*Sclater.* On Léotaud's Birds of, 1867.

*Finsch.* On Coll. of Birds from, 1870.

## VENEZUELA.

*Lafresnaye.* Ois. nouv. de l'Orénoco, 1846.

*Sclater and Salvin.* Birds collected by Goering in, 1868, 1868, 1869, 1870, 1875.

*Sclater and Salvin.* On Birds collected by Spence in, 1873.

*Ernst.* Apuntos para la fauna ornithológica de, 1870.

*Ernst.* Estudios sobre la Flora y Fauna de, 1877.

*Spence.* The Land of Bolivar, 1878.

*Hartlaub.* Deux Ois. nouv. de Caracas, 1849.

*Hartlaub.* Deux Ois. nouv. de Vénézuéla, 1849.

## VERAGUA.

*Salvin.* Eight new Birds from, 1866.

*Salvin.* On some Collections of Birds from, 1867.

*Sclater and Salvin.* Four new Birds from, 1868.

*Salvin.* On some Collections of Birds from, 1870.

## WEST INDIES. (See, also, the several Islands.)

*De Lact.* Beschrijvinghe van, 1625, 1630, 1633, 1640, (pp. 305, 306).

*Labat.* Voyage, 1724, (p. 306).

*West.* Bidrag til beskrivelse over St. Croix, etc., 1793, (p. 307).

*Rocheport.* Histoire des Iles Antilles, 1658, 1660, 1681.

*Stubbs.* Observations on the Caribe Islands, 1667, 1668.

*Ledru.* Voyage, 1810, 1811-12, (p. 307).

*Taylor, E. C.* Five months in the, 1864.

*Guyon.* Thiere die auf Martinique und Guadeloupe verschwunden sind, 1866, (p. 309).

*Guyon.* Des animaux disparus de la Martinique et de la Guadeloupe, 1866.

*Hill.* History of, 1836.

*Denny.* On Geographical Distrib. of Birds of the, 1847.

*Hartlaub.* Ueber den heutigen Zustand unserer Kenntniss von Westindiens Ornithologie, 1847-48.

*Taylor.* Guano from Caribbean Islands, 1857.

*Sclater.* The Birds of the Lesser Antilles, 1871.

*Lawrence.* New Birds from Grenada and Dominica, 1878.

## WEST INDIES.—Continued.

*Lawrence.* Catalogue of Ober's Birds of Antigua and Barbuda, 1878.

*Lawrence.* General Catalogue of Ober's Birds of, 1879.

## YUCATAN.

*Cabot.* Three New Birds from, 1843.

*Cabot.* Descriptions and Habits of some Birds of, 1844.

## YUCATAN.—Continued.

*Cabot.* Further Account of Birds of, 1845.

*Cabot.* Stephens's Incidents of Travel in, 1848.

*Sclater.* On Birds described by Cabot from, 1852.

*Lawrence.* List of Birds from Northern, 1869.

*Coues.*

DEPARTMENT OF THE INTERIOR.  
UNITED STATES GEOLOGICAL AND GEOGRAPHICAL SURVEY.  
F. V. HAYDEN, U. S. GEOLOGIST-IN-CHARGE.

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BULLETIN

OF

THE UNITED STATES

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# BULLETIN

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## **Art. XXVI.—Third Instalment of American Ornithological Bibliography.**

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**By Dr. Elliott Coues, U. S. A.**

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The Appendix to the Birds of the Colorado Valley (pp. 567[1]–784[218]), which gives the titles of “Faunal Publications” relating to North America, is to be considered as the *first* instalment of this work.

The *second* instalment occupies pp. 239–330 of this Bulletin, this Vol., No. 2, and similarly gives the titles of “Faunal Publications”, being those relating to the rest of America.

These two instalments represent all that I am at present prepared to publish of titles of this kind, *i. e.*, in “regional” Ornithology.

This present, *third* instalment consists of an entirely different set of titles, namely, those belonging to the “systematic” department of the whole Bibliography.

In this department come the titles of all publications treating of particular species, genera, or families of Birds, systematically arranged *by Families*, in chronological order under each family, with alphabetization of authors’ names under each date. The lot of titles herewith presented, however, are only those that relate to *American* species. Of those families which are exclusively American, as, for example, *Mniotiltidae*, *Icteriidae*, *Tanagridae*, *Trochilidae*, etc., I give, of course, all the titles in my possession; but of those families which are more cosmopolitan, as the *Turdidae* or *Fringillidae*, I select only the titles relating to American species; and of extra-limital families no titles whatever are given. Such is the ostensible scope of the present instalment; but I actually give many titles relating to extra-limital species, when the close relationship of such species makes it desirable, or when the insertion of a few such additional titles enables me to present all those that I possess of certain families.

The three instalments together represent a nearly complete Bibliog-

raphy of Ornithology so far as *America* is concerned. They are published in this manner in advance of the whole work for several reasons—among others, both to render immediately available certain departments of the Bibliography which are practically completed, and to invite criticism and suggestions for the bettering of the work. I am satisfied that, if I can come anywhere near the standard I have set for myself, I shall have done a very useful thing; and I beg those who are interested in the accomplishment of this undertaking to inform me of any defects they may perceive. In only one particular would I deprecate criticism at present—and this is respecting the *arrangement* of the titles: for the scheme of the work cannot be fairly appreciated until the whole is published, including the several contemplated Indexes.

The portions of the Bibliography now before the public suffice for an estimate of its plan and purpose; but I may add that nothing has yet appeared of several other important departments, such as those of "General and Miscellaneous" publications, of publications in "Anatomy and Physiology", of publications relating to "Birds in Domestication or Captivity", etc. It is not my intention, however, to print any more of the work at present, the *American* departments being the only ones sufficiently perfected to warrant their leaving my hands. But meanwhile I am making manuscript for the rest as rapidly and as continuously as possible.

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NOTA BENE: It being absolutely necessary, in this part of the work, to have some fixed standard (no matter what one) for the grouping of species and genera into families, and for the sequence of the families, I have adopted as most convenient the arrangement of *Gray's* HAND-LIST, as far as the *Passeres* are concerned—the limitations of the families in other orders being sufficiently nearly agreed upon by ornithologists. *For Passerine families, then, the titles have been assorted strictly and exactly according to the composition and sequence of those groups in the work just mentioned.*

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### Hirundinidæ.

[Here only titles additional to those given in "Birds of the Colorado Valley", pp. 378-389, 396-401, *q. v.*]

1769. LAXMANN, E. *Hirundo daurica*, area temporalis rubra. Uropygio luteo rufescente. < *Köngl. Svensk. Vetensk.-Acad. Handl.*, xxx, 1769, pp. 209-213, pl. vii.  
 1774. WHITE, G. Account of the House Martin, or Martlet. < *Philos. Trans.*, lxiy, pt. i, 1774, pp. 195-201.

Habits of *Chelidon urbica*.

This celebrated memoir is curiously misquoted in Carus and Engelmann. *Bibl. Zool.*, ii, 1861, p. 1375, as if referring to the mammal *Mustela foina*, known as the "Marten". Gill and Cones perpetuate the blunder in *Mammals*, N. A. *Reidentia*, 1877, App., p. 1005, by transcription of the title into their *Bibl. of N. A. Mammals*. Cones exaggerated it in his *Far-bearing Animals*, 1877, p. 77 by making out *Mustela foina* to have been instituted by Gilbert White, as above! The funny mistake is shown up by Alston, *P. Z. S.*, 1879, p. 469. The title is correctly cited by Cones in *Birds Colorado Valley*, 1878, p. 596; as it is also by Giebel, *Thes. Orn.*, p. 145.—It is hard to teach some people to verify quotations!

On the same page of Carus and Engelmann, 6 lines higher up, occurs a no less singular mistake: John Hunter's account of the "Free Martin" (a local name for cattle with a certain malformation) being cited as if relating to some species of *Mustela*. Again, on p. 1345, same work, a paper on the anatomy "of a male Otter", *Lutra maris* (in the genitive), is allocated with *Enhydris*, as if it were *Lutra maris*, "of a Sea Otter".

1789. CARLSON, G. V. Anmärkingar om Svalor. < *Köngl. Vetensk.-Acad. Nyt Handl.*, x, 1789, pp. 315-317.

1809. REEVE, H. An | Essay | on | the Torpidity | of | Animals. | By Henry Reeve, M. D. | Member of the Royal College of Physicians of | London, and Fellow of the Linnean Society. | — | [Quotation.] | — | London: | Printed for Longman, Hurst, Rees, and Orme, | Paternoster Row, | by Richard Taylor & Co. Shoe Lane. | — | 1809. 1 vol. 8vo. pp. iii-viii, 1-152.

P. 39. "Here a curious question arises respecting the disappearance of birds." And the author goes on to discuss the alleged hibernation of Swallows. Cf. *Philos. Mag.*, xxxv, 1810, p. 241.

1813. FORSTER, T. Observations | on the | Brymal Retreat | of the Swallow. | — | To which is annexed | a copious Index | to many passages relating to this bird, | in the works of ancient and modern authors. | — | By | Thomas Forster, F. L. S. | Author of | "Researches about atmospheric Phenomena," etc. | — | Third edition, corrected and enlarged. | — | London: | Printed by J. Moyes, Greville Street, Hatton Garden; | for Thomas Underwood, 32, Fleet Street, | and 40 West Smithfield. | — | 1813. 8vo. pp. i-xiv, 1-46.

See other editions, of 1814 and 1817.

1814. FORSTER, T. Observations | on the | brymal retreat | of the | Swallow. | — | To which is annexed | a copious index | to many passages relating to this bird, | in the works of ancient and modern authors. | — | By Thomas Forster, F. L. S. | Author of [etc.] | — | Fourth Edition, corrected and enlarged. | [This Edition is not published separately.] | 1814. < *The Pamphleteer*, iv, 1814, pp. 431-462.

This and two others are the only editions I have been able to lay hands on, of this rather notable paper; as stated in the title, the present edition is not issued separately. I give eds. of 1813 and 1817, and find another quoted of 1817. In the present, the author alludes to three earlier editions. The treatise in its present shape seems to be materially modified, with a new preface; besides which, it consists of the original (?) preface, pp. 433-438, observations, etc., 439-454, appendix, 455-459, giving first and latest appearance of Swallows near London for several years; and of index, 460-462, of passages relating to history of the Swallow in various works, ancient and modern, and the names of Swallows in many different languages. (He derives Swallow, as usual, from A. S. *swelgan*, to swallow, and says the Greek "is supposed to have come either from *χείλη δoreír* quod scil. labia agitet, vel quod *χείλεσιν ᾄδει* labiis canit" — in which he differs from other authority. The latin supposititious derivation, ab *hærendo*, from the adhesive nests, seems to me very far-fetched.) Cf. *Birds Col. Vall.*, i, 1878, pp. 369-371.

- 1816? ANON. The | Swallows: | or, | Observations & Reflections | upon | Their Late Assemblage | at Rotherham, | and their | subsequent departure. | — | [Quotation, 4 lines.] | — | Albion Press: | Printed and Sold by T. Crookes, Rotherham; | sold also by [etc. 3 lines]. [n. d. 1816?] 1 vol. 16mo. pp. i-viii, 9-35.

Anonymous: preface dated Clifton Cottage, Dec. 1815.—A sermon by a clergyman to his parishioners, on the wisdom and goodness of God as illustrated by the habits of *Hirundinidæ*.

1817. FORSTER, T. Observations | on the | Brymal Retreat | of the | Swallow; | with | a copious reference | to passages relating | to this subject, | in different authors. | — | By Thomas Forster, F. L. S. | [etc.] | — | Fifth Edition. | — | London: | Printed by J. Moyes, Greville Street; | for Thomas and George Underwood, | 32, Fleet street. | — | 1817. 8vo. pp. i-xiv, 1-46.

Substantially the same as, if not identical with, the 4th ed., published in *The Pamphleteer*, iv, 1814, pp. 431-462, *q. v.*

"I do not mean to say that swallows may not have occasionally been found under water; for it is well known that they have: . . . but I should certainly attribute their being found in such situations to mere accident: . . . they have sometimes been taken out of the water, in winter, in a torpid state, . . . they have likewise been found concealed in the crevices of rocks, in holes in old decayed trees, in old ruined towers, and under the thatch of houses."

- 1823? STEINMÜLLER, J. R. [Sur l'*Hirundo rupestris*.] < *Neue Alpina*, i, p. 530.

Not seen.

1824. AUDUBON, J. J. [Note on the *Hirundo fulva*.] < *Ann. Lyc. Nat. Hist. N. Y.*, i, pt. 1, 1824, pp. 163-166.

Forms part of the article by DeWitt Clinton, *loc. cit.*, *q. v.*

1824. DEFRANCE, —. Notice sur le vol des hirondelles de cheminée. < *Féruss. Bull.*, 2<sup>e</sup> sect., i, 1824, p. 183.
1825. L[ESSON], [R.] P. Faits et observations relatives à la résidence permanente des Hirondelles dans les États-Unis; par John Audubon. < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1825, p. 109.  
Résumé des *Ann. Lye. Nat. Hist.*, i, 1824, pp. 166-168.
1826. LESS[ON], R. P.] Sur l'*Hirundo fulva* de Vieillot, avec quelques remarques sur les oiseaux de ce genre; par Dewitt Clinton. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ix, 1826, pp. 232, 233.  
Extrait des *Ann. Lye. Nat. Hist. N. Y.*, i, 1824, pp. 156-166.
1828. ANON. Faits concernant l'hibernation de l'Hirondelle de cheminée (*Hirundo rustica*); par le Rév. Colin Smith . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xiv, 1828, pp. 117, 118.  
Précis, tiré du *Edinb. New Philos. Journ.*, juillet-sept., 1827, pp. 231-234.
1830. ANON. Tableau sur l'arrivée et le départ des hirondelles de la Grande-Bretagne; par W. F. Bree. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xxii, 1830, pp. 118, 119.  
Extrait de *London's Mag. Nat. Hist.*, ii, mars, 1829, pp. 16-20.
1830. "PHILOCHELIDON." On the wanton Destruction of Swallows. < *London's Mag. Nat. Hist.*, iii, 1830, pp. 35-38.
1831. "G. M." The Swallow and the Stoat. < *London's Mag. Nat. Hist.*, iv, 1831, p. 146.  
Attack by *Hirundo rustica* upon a Stoat.
1832. BREE, W. T. Effects of the Swallow Tick (*Hippobosca Hirundinis* L.) on the Swallow Tribe (*Hirundines*). < *London's Mag. Nat. Hist.*, v, 1832, p. 677.
1832. "J. D[ENSON?]." Intrepidity of the Swallow [*Hirundo rustica*]. < *London's Mag. Nat. Hist.*, v, 1832, p. 84.
1833. "J. C." Swallow (*Hirundo rustica*) [in confinement]. < *London's Mag. Nat. Hist.*, vi, 1833, pp. 270, 271.
1835. CHAMBERLAIN, R. D. A Swallow accidentally fettered into the Nest in which it had been reared, and hence detained from accompanying other Swallows in their Departure in Autumn from Britain: one of its Parents had stayed to attend it. < *London's Mag. Nat. Hist.*, viii, 1835, p. 513.
1835. MORRIS, B. R. Birds of the Swallow Kind: Means conducive to the keeping of them alive in Britain through the Winter. < *London's Mag. Nat. Hist.*, viii, 1835, p. 572.
1835. MORRIS, B. R. Earliest and Latest Dates of seeing the Swallow in Britain. < *London's Mag. Nat. Hist.*, viii, 1835, p. 572.  
A model article—shorter than its title!
1836. TULK, A. Swallows, an extended String is used as a perch by certain. < *London's Mag. Nat. Hist.*, ix, 1836, p. 107.
1845. HARDY, J. Superstition respecting the Martin (*Hirundo urbica*). < *Zoologist*, 1845, p. 870.
1845. HORNE, C. Do Swallows eat the Honey-bee? < *Zoologist*, iii, 1845, p. 1137.
1846. CLIBBORN, B. Ornithological Note. [On *Cotyle riparia*?] < *Zoologist*, iv, 1846, pp. 1368, 1369.
1846. THIENEMANN, F. A. L. Meine Schwalbe. < *Rhea*, i, 1846, pp. 98-103.  
Aus dem Leben.
1846. TURNER, W. Anecdote of confidence in the Swallow. < *Zoologist*, iv, 1846, p. 1551.
1848. HUSSEY, A. Swallows, and a Plea on their Behalf. < *Zoologist*, vi, 1848, p. 2303.



1849. STRICKLAND, H. E. *Hirundo albigularis* [n. sp.]. < *Jard. Contrib. Orn.*, 1849, p. 17, pl. xv.
1850. ALLAN, W. Anecdote of Martins (*Hirundo* [*Chelidon*] *urbica*). < *Zoologist*, viii, 1850, pp. 2824, 2825.
1850. [SUNDEVALL, C. J.] Svalornas hibernation. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1849, 1850*, pp. 181-185.
1850. WAKEFIELD, R. On the Cruelty of Swallow Shooting. < *Zoologist*, viii, 1850, p. 2952.
1851. [ASCHAN, N. N.] Om svalans hibernation. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1850, 1851*, pp. 6, 7.
1851. [GRILL, G.] Om svalans hibernation. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1850, 1851*, pp. 7, 8.
1851. HARPER, J. O. Death of Martins [*Chelidon urbica*] and Swallows [*Hirundo rustica*, in Norwich]. < *Zoologist*, ix, 1851, p. 2988.
1851. [JARDINE, W.] Birds of Western Africa. < *Jard. Contrib. Orn.*, 1851, p. 141. Consisting only of a description of *Hirundo gordonii*, sp. n.
1851. MATTHEWS, A. Display of Parental Affection by Martins [*Chelidon urbica*]. < *Zoologist*, ix, 1851, pp. 3173, 3174.
1851. [SUNDEVALL, C. J.] Om svalans hibernation. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1850, 1851*, pp. 8-11.
1852. HARRIS, G. Anecdote of the House Martin, (*Hirundo* [*Chelidon*] *urbica*). < *Zoologist*, x, 1852, pp. 3512, 3513.
1853. CASSIN, J. Catalogue of the | Hirundinidæ | in the Collection of | the Academy of Natural Sciences | of Philadelphia. < Published with the *Proc. Acad. Nat. Sci. Phila.*, vol. vi; dated July 1, 1853; not paged; also, separately, 8vo, one signature, 8 foll.
1853. RODD, E. H. Supposed Occurrence of the Rufous Swallow (*Hirundo rufula*) near Penzance. < *Zoologist*, xi, 1853, p. 3753.
1854. MOORE, F. Notice of a New Indian Swallow [*Delichon* (g. n.) *nipalensis* Hodgs.]. < *P. Z. S.*, xxii, 1854, p. 104, pl. (Aves) lxiii.
1854. SUNDEVALL, C. J. Om Svalans hibernation. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1853, 1854*, pp. 135-140.
1855. BRIGGS, J. J. Note on the destruction of Swallows, &c., by the severity of the weather [in Derbyshire, Engl., May, 1855]. < *Zoologist*, xiii, 1855, pp. 4803, 4809.
1855. LOWE, E. J. Singular Mortality amongst the Swallow Tribe. < *Canad. Journ.*, iii, 1855, p. 388.
1855. MOORE, F. Notice of a [lately] New Indian Swallow. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, pp. 225, 226.  
From *P. Z. S.*, Apr. 25, 1854, p. 104, pl. (Aves) 63 (*Delichon nipalensis* Hodgs.).
1856. ASCHNER, T. [Ueber eine weisse Schwalbe.] < *Verh. zool.-bot. Ver. Wien*, vi, 1856, p. 76.
1856. HADFIELD, H. W. Anecdote of Swallows. < *Zoologist*, xiv, 1856, p. 5204.
1856. HELLMANN, A. Beitrag zur Ptilographie und Anatomie der *Hirundo rustica*. < *J. f. O.*, iv, 1856, pp. 360-370.
1858. GOULD, J. Descriptions of Two New Species of the Family Hirundinidæ. < *P. Z. S.*, xxvi, July 13, 1858, pp. 355, 356.  
*Atticora pileata*, p. 355; *Chelidon cashmeriensis*, p. 356.
1859. GOULD, J. Descriptions of Two [lately] New Species of the Family Hirundinidæ. < *Ann. Mag. Nat. Hist.*, 3d ser., iii, 1859, p. 77.  
From *P. Z. S.*, July 13, 1858, pp. 355, 356, q. v.

1860. HADFIELD, H. Note on the Barn Swallow of Jamaica (*Hirundo americana*). < *Zoologist*, xviii, 1860, pp. 6975, 6976.
1861. FRAUENFELD, G. V. Dritter Beitrag zur Fauna Dalmatiens, nebst einer ornithologischen Notiz. < *Verh. (Abhandl.) k.-k. zool.-bot. Ges. Wien*, xi, 1861, pp. 97-110.  
Ornithologische Notiz über *Hirundo* [*Chelidon*] *urbica*, pp. 108-110, fig.
1862. ANDRAEA, V. Sinologisch-zoologische Notizen. < *Zool. Gart.*, iii, 1862, pp. 178-180.  
No. III. Die Schwalben (*Hirundinidae*).—Gedicht.
1863. GURNEY, J. H. [Note on *Hirundo monteiri*.] < *Ibis*, v, 1863, pp. 116, 117.
1863. MOGGRIDGE, M. W. [On the habits of *Hirundo rupestris*.] < *Ibis*, v, 1863, pp. 233-235.
1863. SAVILLE, S. P. A Swallow turning Pirate. < *Zoologist*, xxi, 1863, p. 824.
1865. DEVIS, C. W. Note on the Swallow[s mode of feeding on wing]. < *Zoologist*, xxiii, 1865, p. 9729.
1866. GURNEY, J. H., JR. [Occurrence of *Hirundo rioconuri* at Teesmouth, July 6, 1866.] < *Ibis*, 2d ser., ii, 1866, p. 423.  
Afterward ascertained to have been *H. rustica*: cf. *Ibis*, 1875, p. 519.
1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lye. Nat. Hist. New York*, viii, 1866, pp. 400-405.  
*Hirundo aquitorialis*, p. 400 (Ecuador).
1866. LEBOUR, G. A. Swallow Stones. < *Zoologist*, 2d ser., i, 1866, p. 523.  
"Calcareous opercula of some species of Turbo" found in Swallows' nests, and their use as 'eye-stones'.
1866. STEVENSON, H. Effects of Cold on the House Martin [*Chelidon urbica*]. < *Zoologist*, 2d ser., i, 1866, pp. 269, 270.
1867. CLARK-KENNEDY, A. Swallows [*Hirundo rustica*] and Martins [*Chelidon urbica*] dying from Cold. < *Zoologist*, 2d ser., ii, p. 1015.
1867. HARTING, J. E. An Inquiry into the Nature and Properties of the Swallow-stone and Swallow's-herb. < *Zoologist*, 2d ser., ii, 1867, pp. 744-747.
1867. LONGFELLOW, [H. W.] Swallow-stones (see Zool. S. S. 523). < *Zoologist*, 2d ser., ii, 1867, p. 561.  
Quotation from 'Evangeline'.
1867. MOOR, E. C. Swallows [*Hirundo rustica*] and Martins [*Chelidon urbica*] picked up dead at Aldeburgh. < *Zoologist*, 2d ser., ii, 1867, p. 990.
1869. HUGHES, D. D. Sagacity of the Purple Martin [*Progne subis*]. < *Am. Nat.*, iii, 1869, p. 554.
1869. SHARPE, R. B. [On *Hirundo nigrita* as type of a new genus, *Waldenia*.] *Ibis*, 2d ser., v, 1869, p. 461.
1870. ANON. Der moderne Bau des Nestes unserer Hausschwalbe [*Chelidon urbica*]. < *Aus der Natur*, lii, oder n. F., xl, 1870, pp. 413-415.
1870. ANON. Unsere Schwalben. < *Aus der Natur*, liii, oder n. F., xli, 1870, pp. 566, 567.  
Ueber den Bau des Nestes.
1870. MATHEW, M. A. Swallow taking a Fly from a Horse. < *Zoologist*, 2d ser., v, 1870, p. 2307.
1870. POUCHET, A. Transformation des nids de l'hirondelle de fenêtre (*Hirundo* [*Chelidon*] *urbica* Linn.) < *Compt. Rend.*, lxx, 7 mars 1870, pp. 492-496.  
Cf. *Birds of the Colorado Valley*, i, 1878, p. 450.
1870. SHARPE, R. B. On the Hirundinidae of the Ethiopian Region. < *P. Z. S.*, May 12, 1870, pp. 286-322.  
38 species and 7 genera are treated very fully under two subfamilies, *Psolidoprocniinae*, 1 gen., 4 spp., and *Hirundininae*, 6 gen., 34 spp. Characters, synonymy, distribution, are presented, with some account of habits and much criticism. *Aticora obscura* Temm. is identi-

1870. SHARPE, R. B.—Continued. §  
 fled with *Psaltidoprocne holometæna*, juv., and *Hirundo alfredi* (Zool. Rec., v, p. 81) with *Petrochelidon spilodera* (Sund., *Öf. Sv. Ak.*, 1850, p. 108). A table of the geographical distribution is added, in which an attempt is made to divide the region naturally into five sub-regions—the Abyssinian, Mozambican, Cape, Guinean, and Madagascarian.
1871. HUDSON, W. H. [Twelfth Letter on the Ornithology of Buenos Ayres.]  
 < P. Z. S., 1871, pp. 326-329.  
 Treats of the *Hirundinidæ* of that country.
1872. WHITAKER, J., JR. Swallows roosting on Rushes. < *Zoologist*, 2d ser., vii, 1872, p. 3314.
1873. "L. W. L." Rambling Martins. < *Forest and Stream*, i, Nov. 6, 1873, p. 195.
1873. SCHACHT, H. Ein ornithologisches Räthsel. < *Zool. Gart.*, xiv, 1873, pp. 235, 236.
1874. ANON. [Nesting of Swallows.] < *Am. Sportsman*, iv, 1874, p. 390.
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1874. CORBIN, G. B. Swallows roosting on Rushes. < *Zoologist*, 2d ser., ix, 1874, p. 4035.
1874. "TRANSIT." [Instance of co-operation in nest-building among Swallows.]  
 < *Forest and Stream*, ii, April 2, 1874, p. 123.
1875. GURNEY, J. H. [The supposed *Hirundo* "savigui" shot at Teesmouth, Durham, (cf. *Ibis*, 1866, 423), was really *H. rustica*.] < *Ibis*, 3d ser., v, 1875, p. 519.
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1875. INGERSOLL, E. The Biography of a Bird [*Cotyle riparia*]. < *Rod and Gun*, vii, Nov. 6, 1875, p. 91.  
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1876. COUES, E. Notable Change of Habit of the Bank Swallow [i. e., of *Stelgidopteryx serripennis*]. < *Am. Nat.*, x, No. 6, 1876, pp. 372, 373.  
 Erroneous information from R. Haymond; the species being *Stelgidopteryx serripennis*.
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 "*Cotyle riparia*", *vide* R. Haymond; afterward proved to be *Stelgidopteryx serripennis*.
1876. HAYMOND, R. Note on the Bank Swallow [i. e., *Stelgidopteryx serripennis*].  
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 < *Am. Nat.*, x, No. 8, 1876, pp. 493, 494.  
 Correction of error in *tom. cit.*, p. 372.
1876. STERLING, E. Birds' Nests. < *Rod and Gun*, viii, July 8, 1876, p. 233.  
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1877. COUES, E. Letters on Ornithology. No. 11.—Swallows [*Hirundinidæ*]. < *The Chicago Field*, Jan. 6, 1877, p. 331, figg. 2.  
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1877. COUES, E. To the Swallow. < *Am. Sportsman*, Feb. 3, 1877.  
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1877. [SCOTT, W. E. D.] Do Birds Hybernate? < *The Country*, i, Nov. 24, 1877, p. 55. See pp. 133, 165.  
 Asking further information concerning a paragraph quoted from the *Popular Science Monthly*, alleging hibernation of Swallows in Michigan.

1878. [ABBOTT, L. S.] Hibernation of Birds. < *The Country*, i, Jan. 19, 1878, p. 165. See pp. 55, 133, 181.  
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1878. ANON. Curious, If True. < *Forest and Stream*, x, June 20, 1878, p. 379.  
Account of a horseman attacked and injured by troops of Swallows in Virginia.—Copied from Springfield (Mass.) *Union*, June 10, 1878.
1878. ANON. The Purple Martin. (Progne Purpuria.) < *Journ. of Sci.* (Toledo, Ohio), n. s., i, No. 6, Sept., 1878, cut.  
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1878. ANON. The Barn Sparrow [sic]. (*Hirundo Horreorum*.) < *Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 9, Dec., 1878, cut.  
Popular biography, with a figure.
1878. CONES, E. The Eave, Cliff, or Crescent Swallow (*Petrochelidon lunifrons*). < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 105-112.  
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1878. [INGERSOLL, E.] Hibernation of Birds, again. < *The Country*, i, Jan. 5, 1878, p. 133. See pp. 55, 165.  
Critical notice of alleged torpidity of Swallows in Maine and Michigan.
1878. SMITH, EVERETT. Notes on the Hibernation of Birds. < *The Country*, i, Jan. 26, 1878, p. 181. See pp. 55, 133, 165.
1878. TROTTER, S. Description of a Hybrid (*Hirundo horreori-lunifrons*) between two North American Swallows. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 135, 136.  
The first instance of hybridity in this family reported in this country. The specimen has since been examined by E. Cones, J. A. Allen, and others, who agree that there is no question that it is a hybrid between *Hirundo horreorum* and *Petrochelidon lunifrons*.
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Popular biography, with a figure.
1879. ANON. Migrations of Swallows. < *The Chicago Field*, xii, No. 13, Nov. 8, 1879, p. 199.  
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1879. BOARDMAN, G. A. Interesting Note on Albinism [in *Hirundo horreorum*]. < *Forest and Stream*, xiii, Aug. 7, 1879, p. 525.  
With a note on melanism in *Turdus migratorius*.
1879. BRYANT, WALTER E. Cliff-swallows [*Petrochelidon lunifrons*] and their Parasites. < *Science News*, i, No. 9, Mar. 1, 1879, p. 144.
1879. STANNIS, J. A. The Rough-winged Swallow [*Stelgidopteryx serripennis*] in Connecticut. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 119.
1879. [WILLARD, S. L.] [Laying of *Cotyle riparia* in nest of *Ceryle alcyon*.] < *The Oölogist*, iv, No. 11, June, 1879, p. 86.

## Cærebidæ.

1838. BONAPARTE, C. L. Di un Uccello messicano fin ad ora non conosciuto [Agrilorhinus sittaceus]. < *Nuov. Ann. delle Scienze Nat. Bologna*, i, 1838, pp. 407, 408.  
Not seen: title from Carus and Engelmann.
1840. FRASER, L. [On some new Species of the Genus Agrilorhinus.] < *P. Z. S.*, viii, Feb. 25, 1840, pp. 22, 23.  
*A. bonapartei*, *A. humeralis*, *A. olivaceus*, p. 22; *A. personatus*, p. 23.
1840. FRASER, L. [On some lately new Species of Agrilorhinus.] < *Annals of Nat. Hist.*, vi, 1840, pp. 304-306.  
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1843. LAFRESNAYE, [F.] DE. G. Conirostre. Conirostrum. D'Orb. et Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Oiseaux, pp. 1-4, pl. 35.  
Pl. 35, *C. albifrons*, Lafr., *R. Z.*, 1842, p. 301.—En suite, une liste descriptive des cinq espèces dont à sa connaissance se compose ce petit groupe de Guitguits.
1846. LAFRESNAYE, F. DE. Essai d'une monographie du genre Diglossa, Wagler, G.-B. [sic] Gray, Gen. of birds, p. 23. < *Revue Zoologique*, ix, 1846, pp. 317-320.  
11 espèces.—*D. similis*, *D. mystacalis*, *D. brunneiventris* (Des Murs), p. 318; *D. aterrima*, p. 319, spp. nn.
1847. HARTLAUB, G. Notice sur une nouvelle espèce du genre Cæreba [nitida], Vieillot. < *Revue Zoologique*, x, 1847, p. 84.
1850. STRICKLAND, H. E. Cæreba nitida, Hartlaub. < *Jard. Contrib. Orn.*, 1850, p. 147, pl. lxvi.
1851. SCLATER, P. L. IV.—On the genus Dacnis, Cuvier, with description of a new Species. < *Jard. Contrib. Orn.*, 1851, pp. 105-110.  
6 spp. systematically treated. *D. cærebicolor*, p. 106, sp. n.
1851. STRICKLAND, H. E. On an hitherto unnamed species of Dacnis [melanotis]. < *Jard. Contrib. Orn.*, 1851, pp. 15, 16.  
With synonymy of this and *D. cayana*.
1852. GIRAUD, J. P., JR. Description of a new Species of Helinai [sic;—*H. brevipennis*]. < *Ann. Lyc. Nat. Hist. New York*, v, 1852, p. 40, pl. iii, fig. 1.  
Read Oct. 8, 1850.—(It is a species of *Dacnis*, near *speciosa* Max.)
1852. SCLATER, P. L. X.—On certain species of Dacnis. < *Jard. Contrib. Orn.*, 1852, pp. 101, 102, pl. xciii.  
*D. speciosa* Maxim., pl. xciii, fig. 1; *D. plumbea* (Lath.). The second fig. of the pl. is *D. cærebicolor* (Scl.).
1854. SCLATER, P. L. On two New Species of Dacnis, and on the General Arrangement of the Genus. < *P. Z. S.*, xxii, Nov. 28, 1854, pp. 251, 252.  
*Dacnis hartlaubi*, *D. egregia*, p. 251, spp. nn. List of 9 spp. of the genus. (See especially *Ibis*, 1863, pp. 311-317.)
1856. SCLATER, P. L. On two New Species of Dacnis, and on the General Arrangement of the Genus. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 62, 63.  
From *P. Z. S.*, Nov. 28, 1854, pp. 251, 252, q. v.
1860. [ANON.] [Notiz über Arbelorhina cærelea Cab.] < *Zool. Gart.*, i, 1860, p. 144.
1863. SCLATER, P. L. Synopsis of the known Species of Dacnis. < *Ibis*, v, 1863, pp. 311-317, pl. vii.  
12 spp.—A general account of the genus, including synonymy, diagnosis, and habitat of the species; none new. The plate represents *D. venusta* Lawr. (Cf. *Cont. Orn.*, 1851, p. 106 et seq.; *P. Z. S.*, 1854, pp. 251, 252.) *D. hartlaubi* Scl., *P. Z. S.*, 1854, p. 251, is a *Calliste*.
1864. CASSIN, J. Notes of an Examination of the Birds of the Subfamily Coerebinæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 265-275.  
7 gen. (with numerous subgen.). 44 spp.—*Cyanodacnis*, p. 268; *Polidacnis*, p. 269; *Eudacnis*, *Atleodacnis*, p. 270; *Hemidacnis*, p. 271; *Tephrodiglossa*, p. 273; *Pyrrhodiglossa*, *Cyanodiglossa*, *Melanodiglossa*, p. 274, subgen. nn. *Chlorophanes cærulescens*, *C. melanops*, p. 269, subspp. nn. The matter is descriptive and critical, with some synonymy.

1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Caerébidæ, Tanagridæ, Icteridæ, and Scolopacidæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 106-108.  
*Dacnis ultramarina*, p. 106.
1870. SUNDEVALL, C. J. Öfersigt af släktet Certhiola. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1869, 1870*, pp. 619-625.  
 I. Speculo alarum albo ornata. a) Uropygio pure flavo. 1. *flaveola*, 2. *bairdii*. 3. S:ti Thomæ, 4. ex Minas Geraes, 5. *luteola*, 6. *major*, 7. *columbiana*, 8. *minor*. b) Plaga uropygii virescente, indefinita. 9. *bartholemica*, 10. *portoricensis*, 11. *mexicana*, 12. *peruviana*. II. Speculo alari nullo. a) Plaga uropygii virescente, indefinita. 13. ex insula S:t Croix, 14. *dominicana*, 15. *chloropyga*, 16. *guianensis*, 17. *majuscula*, 18. *albigula*, 19. *bahamensis*. b) Plaga uropygii lata, definita, pure flava. 20. *minima*.
1871. FINSCH, O. Monographie der Gattung Certhiola. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xxi, 1871, pp. 739-790, pl. iv.  
 This is a very complete and workmanlike monograph, in which, after general considerations and an account of the genus, the ten species recognized by the author are treated at full length, with copious synonymy, description, and criticism. Finsch recognizes *C. bahamensis*, *flaveola*, *portoricensis*, *bartholemica*, *luteola*, *clusiae* (v. Würt., sp. n.), *mexicana*, *chloropyga*, *dominicana*, *martinicana*, as valid, with *C. minor* Bp., *Muscicapa melanozantha* Sparrm., and *Certhia trochlea* Sparrm. as dubious, and adds a note on *Certhiola caboti* Ed. MS. A map shows the geographical distribution of the species.
1871. [SAUSSURE, H. DE.] Les Diglossas [Cerebidæ]. < *La Nature*, ii, 1871, pp. 28, 29.  
 Sobre las costumbres.
1873. BERLEPSCH, H. [Arten des Genus Dacnis.] < *J. f. O.*, 1873, pp. 68-70.  
 5 subgen., 12 spp.
1873. CABANIS, J. [Ueber Xenodacnis parina, gen. sp. n., des Berliner Museums, von C. Jelski in Peru entdeckt.] < *J. f. O.*, 1873, pp. 311, 312, pl. iv, f. 1, 2.
1875. SCLATER, P. L. Synopsis of the Species of the Subfamily Diglossinæ. < *Ibis*, 3d ser., v, 1875, pp. 204-221, pll. iv, v.  
 Chars., syns., hab., and criticism of 15 spp. *Diglossa*, 1 sp. *Diglossopsis*. Pl. iv, *Diglossa pectoralis*; pl. v, *D. albilateralis* ♂ ♀.
1878. ANON. Poaching Birds. < *The Country*, ii, June 1, 1878, p. 89.  
 Ingenuity of *Certhiols*, etc., in procuring food. From *Nature*.

**Anabatidæ.**

[The genus *Sitta* is ranged in this family by Gray, and I give all the titles I possess relating to it.]

- 1819-21? LICHTENSTEIN, H. Ueber die Gattung *Dendrocolaptes*. < *Abhandl. Berlin. Akad.*, 1818-19, Phys. Klasse, pp. 197-210; 1820-21, pp. 258-266, pll.

I have not seen this, the original edition of the memoir, which, however, reappears in a manner in *Isis*, 1824, pp. 615-619, q. v.

1824. LICHTENSTEIN, H. [Ueber die Gattung *Dendrocolaptes*.] < *Oken's Isis*, Jahrg. viii, 1824, pp. 613-619.

Auszug aus *Abh. k. Acad. Wiss. Berlin* für die Jahre 1818 und 1819, pp. 197-210. In dem Bande für 1820 und 1821 lieferte der Verfasser eine Fortsetzung. *D. decumanus, squamatus, bivittatus, erythacus*, spp. nn.—Der Verfasser ordnet nun 18 Arten, mit Synonymik, Diagnostik und Lokale.

1829. BREE, W. T. Nuthatch. < *London's Mag. Nat. Hist.*, ii, 1829, p. 243, fig. 69.

On the habits of *Sitta europæa*.

1829. "H. S." On the Manners of the Nuthatch [*Sitta europæa*]. By H. S. With a Note by W. Swainson, F. R. S., &c. < *London's Mag. Nat. Hist.*, i, 1829, pp. 328-330, figg. 162, 163.

1831. BREE, W. T. The Nuthatch [*Sitta europæa*] in the Neighbourhood of Bedford. < *London's Mag. Nat. Hist.*, iv, 1831, p. 275.

1831. WHITE, W. H. The Nuthatch (*Sitta europæa*.) < *London's Mag. Nat. Hist.*, iv, 1831, pp. 465, 466.

Habits and nidification.

1832. "J. D[ENSON?]." The Nuthatch, *Sitta europæa*, L. < *London's Mag. Nat. Hist.*, v, 1832, p. 591.

1832. LAFRESNAYE, F. DE. Anabate. Anabates. Temm. < *Guér. Mag. de Zool.*, 2<sup>e</sup> année, 1832, classe ii, notice viii, pl. 8.

*Anabates aradoïdes*, pl. viii, sp. n.

1832. NEWMAN, E. The Nuthatch (*Sitta europæa* L.) is resident throughout the Year [in various parts of England]. < *London's Mag. Nat. Hist.*, v, 1832, p. 488, fig. 97, with notes by "J. D[enson?]", pp. 488, 489, and "J. M.", p. 489.

1833. LAFRESNAYE, F. DE. Sur le Fourmilier a long Bec. Cuv. Gal. du Muséum. < *Guér. Mag. de Zool.*, 3<sup>e</sup> année, 1833, classe ii, notice x, pl. x.

*Myiothera longirostris* Cuv. = *Thamnophilus caudacutus* V. = *Myothera caudacuta* Lafr., pl. 10. (The species belongs to the genus *Sclerurus*.)

1833. LAFRESNAYE, F. DE. Picucule. *Dendrocolaptes*. Herm. P. rubiginoux. D. rubiginosus. De Lafresnaye. < *Guér. Mag. de Zool.*, 3<sup>e</sup> année, 1833, classe ii, notice xvi, pl. xvi.

1833. LAFRESNAYE, F. DE. Picucule. *Dendrocolaptes*. Herm. P. a bec en coin. D. cuneatus. Licht. Catal. p. 17. < *Guér. Mag. de Zool.*, 3<sup>e</sup> année, 1833, classe ii, notice xvii, pl. xvii.

1837. S[ELBY], P. J. *Sitta europea* [in Cornwall]. < *Mag. of Zool. and Bot.*, i, 1837, p. 103.

1838. SIEMUSZOWA-PIETRUSKI, S. K. v. Nutzen der Spechtmeise (*Sitta europæa*), durch die Vertilgung der Borkenkäfer beobachtet . . . < *Arch. f. Naturg.*, 1838, (1), p. 48.

1842. LAFRESNAYE, [F.] DE. G. *Acanthisitte*. *Acanthisitta*. De Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1842, Oiseaux, pp. 1, 2, pl. 27.

*Acanthisitta* g. n. = *Acanthisa (tenuirostris)*, *Rev. Zool.*, 1841, p. 242.

1843. ATKINSON, J. C. Note on the Habits of the Nuthatch [*Sitta europæa*]. < *Zoologist*, i, 1843, pp. 213-215.

1843. LAFRESNAYE, [F.] DE. G. Picueule. *Dendrocolaptes*. Cuvier. P. a taches triangulaires. *D. triangularis*. De Lafr., *Rev. Zool.*, 1842, p. 134. <*Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843. Oiseaux, pp. 1, 2, pl. 32.
1843. ROSS, H. J. [Occurrence of *Sitta europæa* at Kaiparíah.] <*P. Z. S.*, xi, 1845, p. 122.
1844. LAFRESNAYE, [F.] DE. G. *Dendrocolaptes*. *D. Perrotii*. Lafresnaye. <*Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1844. Oiseaux, pp. 1, 2, pl. 54.  
*Rev. Zool.*, 1844, p. 80.
1846. MOSLEY, O. Remarks on the Nuthatch [*Sitta europæa*]. <*Zoologist*, iv, 1846, pp. 1498, 1499.
1847. LAFRESNAYE, F. DE. [Notice du genre *Dendrocolaptes*, à propos de la monographie dont il nous donne l'avertissement.] <*Revue Zoologique*, x, 1847, pp. 209-211.
1849. LAFRESNAYE, F. DE. Monographie du genre *Dendrocolaptes*. <*Rev. et Mag. Zool.*, i, 1849, pp. 328-331.  
Ici seulement l'aperçu général du sujet. Voir *op. cit.*, ii, 1850, et iii, 1851.
1850. [JARDINE, W.] *Synallaxis flammulatus*, Jard. [n. sp.] <*Jard. Contrib. Orn.*, 1850, p. 82, pl. lvi.
- 1850-51. LAFRESNAYE, F. DE. Essai d'une monographie du genre Picueule (Buffon), *Dendrocolaptes* (Hermann, Illiger), devenu aujourd'hui la sous-famille *Dendrocolaptinæ* (Gray, Genera of birds), de la famille *Certhiidae* de Swains. <*Rev. et Mag. Zool.*, ii, 1850, pp. 95-104, 145-154, 275-285, 369-388, 417-426, 588-598; iii, 1851, pp. 145-147, pl. 4, 317-320, 465-470, 590, 591.  
*Dendrocolaptes*, 6 esp. *D. simpliciceps*, p. 100; *D. derillei*, p. 102, spp. nn.—*Picolaptes*, 11 esp. *P. lineiceps*, p. 271, sp. n.—*Xiphorhynchus*, 5 esp. *X. procurviroides*, p. 376, sp. n.—*Nasica*, 14 esp. *N. guttatoidea*, p. 377; *N. beauperthuyi*, p. 419; *N. dorbignyanus*, p. 420, spp. nn.—*Sitta-eomus*, 4 esp. *S. amazonus*, p. 590, sp. n.—*Glyphorhynchus*, 1 esp.—*Dendroplex*, 2 esp.—*Dendrocolaptes temminckii*, p. 145, pl. 4.—*Dendrocops*, 11 esp. *D. tyrannicus*, p. 328; *D. meruloides*, p. 467, spp. nn.—*Dendrexetastes*, 1 esp.
1851. EYTON, T. C. Description of some New Species and a New Genus of *Dendrocolaptinæ*. <*Jard. Contrib. Orn.*, 1851, pp. 75-77.  
*Dendrocolaptes multistriatus*, *Picolaptes validirostris*, p. 75; *P. atripes*, *Dendrexetastes* (g. n.) *capitoides*, p. 76.
1851. EYTON, T. C. Descriptions of two New Species of *Synallaxis* [sic]. <*Jard. Contrib. Orn.*, 1851, p. 159, pl. lxxxi.  
*S. olivaceus* [sic], *S. modestus*.
1852. EYTON, T. C. Remarks on *Dendrocolaptinæ*, with descriptions of Two New Genera and Species. <*Jard. Contrib. Orn.*, 1852, pp. 21-26.  
*Dryocornis*, p. 23, gen. n. *Dendrocops olivaceus*, p. 25; *Picolaptes notatus*, p. 26, spp. nn.
1853. LAFRESNAYE, F. DE. Mélanges Ornithologiques. <*Rev. et Mag. de Zool.*, v, Nov., 1853, pp. 490-493.  
Sur *Anabates squamiger* type d'un nouveau genre *Anabasitta*, p. 492.
1853. SCLATER, P. L. On a new species of *Dendrocolaptes* [eytoni]. <*P. Z. S.*, xxi, 1853, pp. 68, 69, pl. (Aves) lvii.
1855. SCLATER, P. L. On a [late] new species of *Dendrocolaptes* [eytoni]. <*Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 223, 224.  
From *P. Z. S.*, 1853, pp. 68, 69.
1856. SCLATER, P. L. On some New or Imperfectly-known Species of *Synallaxis*. <*P. Z. S.*, xxiv, 1856, pp. 97-99.  
3 spp. *S. epizi*, *S. caniceps*, p. 98, spp. nn. The third sp. is *S. ruficapilla* V.
1857. ANTINORI, O. Einige Bemerkungen über das Nest von *Sitta syriaca*. <*Nammannia*, vii, 1857, pp. 429-431.
1857. HADFIELD, H. W. Note on the European Nuthatch (*Sitta europæa*). <*Zoologist*, xv, 1857, pp. 568, 5685.



1857. SCLATER, P. L. On some New or Imperfectly-known Species of Synallaxis. <Ann. Mag. Nat. Hist., 2d ser., xix, 1857, pp. 179-181.  
From *P. Z. S.*, April 22, 1856, pp. 97-99, *q. v.*
1857. SCLATER, P. L. Further Additions to the List of Birds received in Collections from Bogota. <*P. Z. S.*, xxv, 1857, pp. 15-20.  
The article is a briefly annotated list of 52 spp., among which two new *Anabatidæ* are described, namely, *Anabates striaticollis* and *Sclerurus brunneus*, p. 17.
1857. SCLATER, P. L. On two [lately] new Species of Birds from Bogota. <*Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, p. 472.  
*Anabates striaticollis*, *Sclerurus brunneus*, the descriptions of which are here extracted from a paper of wider scope in *P. Z. S.*, Jan. 27, 1857, pp. 15-20.
1859. PELZELN, A. v. Ueber neue Arten der Gattungen Synallaxis, Anabates und Xenops in der Kaiserlichen ornithologischen Sammlung, nebst Auszügen aus J. Natterer's nachgelassenen Notizen über die von ihm in Brasilien gesammelten Arten der Furnariinae und Synallaxinae. <*Sitzungsber. der Wien. Akad., math.-nat. Classe*, xxxiv, 1859, pp. 99-134.  
Not seen.
1859. SCLATER, P. L. On some New Species of Synallaxis, and on the Geographical Distribution of the Genus. <*P. Z. S.*, xxvii, 1859, pp. 191-197.  
*S. pudica*, *S. stictothorax*, *S. scutata*, p. 191, spp. nn. List of 41 spp., with localities, and mention of 18 others.
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From *P. Z. S.*, Nov. 9, 1858, p. 457, where the species is named among others in a paper of more extended scope.
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1864. PHILIPPI, R. A., and LANDBECK, L. De las Alondras [sc. Anabatidæ] Chilenas. <*Anal. Univ. Chile*, xxv, Ser. de 1864, pp. 409-418.  
A subtitle of a paper of more extended scope.—Six species are treated, among which *Certhilauda frobeni*, p. 411; *C. isabellina*, p. 412; and *Geobamon fasciatus*, p. 415, are described as new. The matter reappears in a German version in *Arch. f. Naturg.*, 1865, Bd. i, pp. 58-73, *q. v.*
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. <*Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
The *Dendrocolaptidæ* = *Anabatidæ* here described are *Philydor rufesbrunneus*, p. 127; *Anabazenops lineatus*, p. 127; *Margarornis rubiginosa*, *M. guttata*, p. 128; *M. brunneicauda* (proband.), p. 130.
1865. PHILIPPI, R. A., and LANDBECK, L. Die Lerchen [sc. Anabatidæ] Chiles. <*Arch. f. Naturg.*, 1865, Bd. i, pp. 58-73.  
A subtitle of a paper having a more extended scope.—The birds treated are not Larks, or *Aulaidæ*, to which they have some superficial resemblance, but *Anabatidæ* of Gray's arrangement. They are six in number, namely: *Gositta cunicularia* (V.) Bp., *Certhilauda frobeni* P. & L., p. 62; *C. isabellina* P. & L., p. 63; *Geobamon rufipennis* Burm., *G. fasciata* P. & L., p. 68; *Certhilauda nigrofasciata* Lafr. Cf. *Zool. Rec.* for 1865, pp. 102, 103.—The article originally appeared in Spanish in *Anal. Univ. Chile*, xxv, 1864, pp. 409-418, *q. v.*

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12 spp., with critical, descriptive, and geographical annotation. The pl. represents *S. krueperi* (cf. *P. Z. S.*, 1864, p. 433). *S. aculeata* Cass. is disallowed.
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1868. CLIFTON, Lord. Nuthatch in Ireland [*Sitta europæa*]. <*Zoologist*, 2d ser., iii, 1868, p. 1134.
1868. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidae, Strigidae, and Columbidae. <*P. Z. S.*, xxxvi, 1868, pp. 53-60, pl. v, woodc.  
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1869. SCLATER, P. L. On Two new Species of Synallaxis. <*P. Z. S.*, xxxvii, 1869, pp. 636, 637, pl. xlix.  
*Synallaxis curtata*, p. 636, pl. fig. 1; *Leptasthenura andicola*, p. 636, pl. fig. 2.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Scolopacidae. <*P. Z. S.*, xxxvii, 1869, pp. 416-420, pl. xxviii.  
*Synallaxis arequipae*, p. 417.
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1871. BOND, F. Singular nesting of the Nuthatch [*Sitta europæa*] at East Grinstead, Sussex. <*Zoologist*, 2d ser., vi, 1871, pp. 2850, 2851.
1871. SCLATER, P. L. Remarks on some Species of Dendrocolaptidae in the Collection of the Smithsonian Institution. <*P. Z. S.*, xxxix, 1871, pp. 85, 86.  
Critical observations on *Synallaxis candori*, *Anabates ochrolarmus*, *A. montanus* (both of which are referred to *Philydor*), and *Dendrocolaptes chuncotambo* (= *Dendroornis ocellata*).
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera *Icterus* and *Synallaxis*. <*Ann. Lyc. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.  
The Anabatoid is *S. maculata*, p. 186, from Tumbe, Peru.
1872. MEYER, R. Ueber den Nestbau des Kleibers oder der Spechtheise. (*Sitta caesia* Wolf.). <*Zool. Gart.*, xiii, 1872, pp. 238-241.
1874. SCLATER, P. L. On the Species of the Genus *Synallaxis* of the Family Dendrocolaptidae. <*P. Z. S.*, xlii, 1874, pp. 2-28, pls. ii, iii, iv.  
Very full. Bibliographical summary. Synonymy, diagnosis, and criticism. 58 spp. + 4 spp. doubtful, in 2 sections, rectric. 10 or 12.—*S. hypospodia*, *S. subpudica*, p. 10; *S. hudsoni*, p. 25, spp. nn.—Pl. ii, f. 1, *S. stictothorax*; f. 2, *S. scutata*. Pl. iii, f. 1, *S. kollari*; f. 2, *S. candori*. Pl. iv, f. 1, *S. subcristata*; f. 2, *S. hyposticta*.
1874. SCLATER, P. L. Descriptions of three new Species of the Genus *Synallaxis*. <*P. Z. S.*, xlii, 1874, pp. 445-447, pl. lviii.  
*S. pudibunda*, p. 445, pl. lviii, f. 1; *S. gramineicla* Jelski, MS., p. 446, pl. f. 2; *S. virgata* Jelski, MS., p. 446.

1876. COUES, E. Letters on Ornithology. No. 8.—Nuthatches [Sitta]. < *The Chicago Field*, Dec. 16, 1876, figg. 2.  
General account of the North American species, with figg. of the heads of *S. carolinensis* and of *S. pygmæa*.
1878. HARDY, MANLY. Nesting Habits of the Red-bellied Nuthatch [Sitta canadensis]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 196.  
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1879. DOWSE, W. B. The White-bellied Nuthatch [Sitta carolinensis] concealing Food. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 61.
1879. [WILLARD, S. L.] [Field] Notes on Sitta canadensis. < *The Oölogist*, v, No. 2, Aug., 1879, p. 15.
1879. [WILLARD, S. L.] Nest of the White-bellied Nuthatch (Sitta carolinensis). < *The Oölogist*, iv, No. 9, Apr., 1879, p. 65.

## Certhiidae.

1782. GÖTZ, G. F. Beytrag zur Naturgeschichte des Mauerspechts. *Certhia* [Tichodroma] muraria Linn. < *Der Naturforscher*, xvii, 1782, pp. 40-44.
1805. BARTRAM, W. Description of an American species of *Certhia*, or Creeper. < *Philadelphus Med. Phys. Journ.*, i, 1805, (pt. 2), pp. 103-106.  
Not seen: title from *Roy. Soc. Cat.*
1831. WHITE, W. H. The Tree Creeper (*Certhia familiaris*). < *London's Mag. Nat. Hist.*, iv, 1831, pp. 473, 474.
1832. BREE, W. T. The Tree Creeper (*Certhia familiaris* L.) a Winter Resident [in England]. < *London's Mag. Nat. Hist.*, v, 1832, p. 489, with note by "J. D.", pp. 489, 490.
1832. "M. P." The Creeper (*Certhia familiaris* L.) [resident in Great Britain]. < *London's Mag. Nat. Hist.*, v, 1832, p. 738.
1832. NEWMAN, E. The Creeper (*Certhia familiaris*.) < *London's Mag. Nat. Hist.*, v, 1832, p. 204.
1832. "T. G." The Creeper (*Certhia familiaris*) resident, not migratory, in Lancashire. < *London's Mag. Nat. Hist.*, v, 1832, p. 204.
1832. "T. G." The Creeper (*Certhia familiaris* L.) it is, and not the Nuthatch (*Sitta europea* L.), which associates with the Titmouse in winter, in Lancashire. < *London's Mag. Nat. Hist.*, v, 1832, pp. 737, 738.
1832. TURNER, H. The Creeper (*Certhia familiaris*.) < *London's Mag. Nat. Hist.*, v, 1832, p. 204, with note by "J. D.", pp. 204, 205.
1847. GRAY, G. R. On two new Genera of Certhinae. < *P. Z. S.*, xv, 1847, pp. 6, 7.  
*Caulodromus gracci*, gen. sp. n., p. 6, Darjeeling. *Salpornis*, g. n., p. 7, type *Certhia spilota* Franklin. *P. Z. S.*, 1831, 121, Behar.
1847. GRAY, G. R. On two [lately] new Genera of Certhinae. < *Ann. Mag. Nat. Hist.*, xix, 1847, pp. 351-353.  
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Sous-titre de ses Mélanges Zoologiques, l. c. pp. 161-174 et suiv. L'auteur constate que cette espèce est réellement distincte de la *C. familiaris*. La planche, de sept figures, donne les caractères des deux espèces.
1855. KÖNIG-WARTHAUSEN, R. V. Zur Naturgeschichte des Mauerläufers, Tichodroma muraria Illig. < *J. f. O.*, iii, 1855, pp. 43-45.
1855. SUNDEVALL, C. J. Notiz über *Certhia Costae*. < *J. f. O.*, iii, 1855, pp. 60, 61.
1856. BREHM, [C. L.] [Ueber die Baumläufer (*Certhia*).] < *Naumannia*, vi, 1856, pp. 356-362.
1857. BREHM, C. L. Einige Bemerkungen über die europäischen Baumläufer, *Certhia* L. < *Allgem. deutsche naturh. Zeitung*, n. F., Bd. iii, 1857, pp. 99-106.  
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1860. ALSTON, E. R. Attachment of the Creeper (*Certhia familiaris*) to its Nest and Eggs. < *Zoologist*, xviii, 1860, p. 6891.
1862. BRUNTON, T. Nesting of the Tree Creeper [*Certhia familiaris*]. < *Zoologist*, xx, 1862, p. 8162.
1863. BRIDGER, C. Nests of the Creeper [*Certhia familiaris*]. < *Zoologist*, xxi, 1863, p. 8720.

1864. CRICHTON, A. W. Habits of the Creeper [*Certhia familiaris*]. < *Zoologist*, xxii, 1864, p. 9111.
1865. GIRTANNER, A. [Notizen über *Tichodroma phœnicoptera*.] < *Verh. St. Gallen. Naturf. Gesell.*, 1865, pp. 63, 64.  
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1865. GIRTANNER, A. [Mauerläufer (*Tichodroma phœnicoptera*) in Gefangenschaft.] < *Zool. Gart.*, vi, 1865, pp. 72, 73.
1865. HAMLIN, C. E. On a Habit of *Certhia americana* supposed to have been hitherto unnoticed by Authors. < *Proc. Boston Soc. Nat. Hist.*, x, Dec., 1865, p. 80.  
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1867. GOULD, J. On the Australian Genus *Climacteris*, with a Description of a New Species. < *P. Z. S.*, xxxv, 1867, pp. 975-977.  
List of 7 spp. (*scandens*, *rufa*, *erythrope*, *melanota*, *melanura*, *leucophæa*, and *pyrrhonota* (sp. n. p. 976)), with remarks on habits and geographical distribution.
1868. GIRTANNER, A. [Einiges über die Fortpflanzungsgeschichte der Mauerläufer (*Tichodroma muraria*).] < *Zool. Gart.*, ix, 1868, pp. 110, 111.
1869. GIRTANNER, A. Ueber den Alpen-Mauerläufer, *Tichodroma phœnicoptera*. . . . < *Zool. Gart.*, x, 1869, pp. 317-319.  
Further notes; cf. *op. cit.*, vi, p. 72; ix, 1863, p. 110.
1873. BROOKS, W. E. Notes on the Certhiinae of India. < *Journ. Asiatic Soc. Bengal*, xlii, pt. 2, 1873, pp. 255-257.  
Treats of 5 spp. *C. himalayana*, *C. hodysoni*, *C. nipalensis*, *C. stoliczkae*, sp. n., p. 256, *C. mandellii*, sp. n., p. 256.
1874. BARRINGTON, R. M. Peculiar Position in Feet of *Certhia familiaris*. < *Zoologist*, 2d ser., ix, 1874, p. 3998.
1875. [SALVIN, O.] [Note of Discovery of ten MS. letters of White of Selbourne, 1790-1793.] < *Ibis*, 3d ser., v, 1875, pp. 521, 522.  
A letter shows that *Tichodroma muraria* once occurred in Norfolk, and the editor enlarges on the subject. Cf. Merrett, *Pinnax*, 1667, p. 177.
1876. COUES, E. Letters on Ornithology. No. 2.—The American Tree-Creeper [*Certhia familiaris*]. < *The Chicago Field*, Aug. 12, 1876, fig.  
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1879. BAGG, E. Nesting of *Certhia familiaris*. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 183.
1879. BREWER, T. M. The American Brown Creeper [*Certhia familiaris*]. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 87-90.  
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1879. BREWSTER, W. Breeding Habits of the American Brown Creeper (*Certhia familiaris americana*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 199-209.  
A well-written account, from original observations; decidedly the best article upon the subject we have.
1879. [WILLARD, S. L.] Habits of Young Brown Creepers [*Certhia familiaris*]. < *The Oölogist*, v, No. 1, July, 1879, p. 8.
1879. [WILLARD, S. L.] Habits of young Brown Creepers [*Certhia familiaris*]. < *The Temperance Vidette* (Texas newspaper), Sept. 20, 1879.  
Bull. v, 4—2

## Pteroptochidæ.

1832. GEOFFROY ST.-HILAIRE, ISID. Rhinomie. Rhinomya. Is. Geoff. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1832, classe ii, Oiseaux, notice iii, pl. iii.  
*Rhinomya lanceolata* d'Orb. et Isid. Geoffr., gen. sp. n.
1836. GOULD, J. [*Seytalopus* (g. n.) *fuscus*. *S. albogularis*, spp. nn.] < *P. Z. S.*, Aug. 9, 1836, pp. 89, 90.  
 The genus and species are established in an untitled paper, which also describes certain *Troglodytidae*.
1837. GOULD, J. [On *Seytalopus*.] < *Lond. and Edinb. Philos. Journ.*, x, 1837, p. 295.  
 From *P. Z. S.*, Aug. 9, 1836, pp. 89, 90, q. v.
1838. GOULD, J. [Ueber die Gattung *Seytalopus*.] < *Oken's Isis*, Bd. xxxi, 1838, pp. 199, 200.  
 Aus den *P. Z. S.*, 1836, pp. 89, 90, q. v.
1841. LESSON, R. P. Revision des Espèces d'Oiseaux du Genre *Megalonyx*. < *Actes Soc. Linn. de Bordeaux*, xii, 1841, pp. 187-197.  
 Pas vu moi-même: le titre tiré de la *Bibl. de Carus & Engel*.
1842. GEOFFROY ST.-HILAIRE, ISID. [*Rhinomya lanceolata*.] < *Oken's Isis*, Bd. xxxv, 1842, p. 51.  
 Aus *Guér. Mag. de Zool.*, Bd. ii, 1832.
1844. LAFRESNAYE, [F.] DE. G. *Merulaxis*. Lesson. (Fam. Formicaridæ.—S.-Fam. Rhinominae.) < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1844, Oiseaux, pp. 1-6, pl. 53.  
 Pl. 53. *Merulaxis orthonyx* Lafr.. *R. Z.*, 1843, p. 131.
1851. [JARDINE, W.] *Seytalopus*. Gould, 1836. < *Jard. Contrib. Orn.*, 1851, pp. 115-118, pll. lxxvi-lxxviii.  
 Descriptions of, and remarks on, 4 spp. Pl. lxxvi, f. 1. *S. undulatus*; f. 2. *S. albiventris*. Pl. lxxvii, *S. fuscus*. Pl. lxxviii, *S. albogularis*.
1851. LAFRESNAYE, [F.] DE. Observations on the Genus *Seytalopus*. < *Jard. Contrib. Orn.*, 1851, pp. 145-150.  
 17 spp., referred to the genus *Merulaxis* Less. *M. fuscaides*, p. 149, sp. n.
1857. LANDBECK, L. *Pteroptochos albifrons* n. sp. < *Arch. f. Naturg.*, 1857, (1), pp. 273-275.
1864. PHILIPPI, R. A., and LANDBECK, L. [*Pteroptochus castaneus*, sp. n.] < *Anal. Univ. Chile*, xxv., Sept., 1864, p. 408.  
 A separate sub-head of a paper of much more extended scope.
1865. PHILIPPI, R. A., and LANDBECK, L. [*Pteroptochos castaneus*.] < *Arch. f. Naturg.*, 1861, (1), p. 56.  
 A separate sub-head of a paper of much more extended scope. The orig. descr. is in *Anal. Univ. Chile*, xxv. 1864, p. 408.
1874. SCLATER, P. L. On the Neotropical Species of the Family Pteroptochidæ. < *Ibis*, 3d ser., iv, 1874, pp. 189-206, pl. viii.  
 History of the group in brief; systematic, synonymic, diagnostic synopsis, with comment, of 19 spp., referred to 8 genera; tabular view of their distribution. The pl. represents *Rhinocrypta fulva*.

## Troglodytidae.

1832. "T. G." Materials composing the Nest of the common Brown Wren (*Anorthura communis* Rennie). < *London's Mag. Nat. Hist.*, v, 1832, pp. 738-740, with note by "J. D.", pp. 740, 741.
1833. GARDINER, W. The Materials of the Nest of the Common Wren (*Troglodytes vulgaris*). < *London's Mag. Nat. Hist.*, vi, 1833, p. 523.
1833. JENNINGS, J. Structure of the Nest of the Common Brown Wren [*Anorthura communis*]. < *London's Mag. Nat. Hist.*, vi, 1833, pp. 172, 173.
1835. LAFRESNAYE, F. DE. Sur le genre Grimpic (*Picolaptes*, Lesson.) < *Guér. Mag. de Zool.*, 5<sup>e</sup> sér., année 1835, classe ii, notices xlv, xlvii, pll. xlv, xlvii.  
*P. scolopaceus* (Spix), pl. 46. *P. brunneicapillus*, sp. n., pl. 47.
1835. "S. D. W." A Nest of the Wren (*Anorthura*) built within that of the Chimney Swallow. < *London's Mag. Nat. Hist.*, viii, 1835, pp. 617, 618.
1836. AUDUBON, J. J. Ueber das Vorkommen der nordamerikanischen Schlüpfer (*Troglodytes*). < *Arch. f. Naturg.*, ii, (1), 1836, p. 312.  
 7 spp. aus dessen *Ornith. Biogr.*, ii, p. 452.
1836. GOULD, J. [Exhibition of Birds allied to the European Wren, with characters of new species.] < *P. Z. S.*, iv, 1836, pp. 88-90.  
*Troglodytes magellanicus*, p. 88; *T. leucogastra*, *T. guttatus*, p. 89; *Scytalopus* (g. n.) *fuscus*, p. 89; *S. albigularis*, p. 90, spp. nn. (See *Pteroptochidæ*, 1836, 1837, 1838.)
1838. GOULD, J. Ueber verschiedene Zaunkönige (Wren) [*Troglodytidae* und *Pteroptochidæ*]. < *Oken's Isis*, Bd. xxxi, 1838, pp. 199, 200.  
 Auszug aus *Proc. Zool. Soc. Lond.*, iv, 1836, pp. 88-90, q. v.
1844. HASLAM, S. H. Anecdote of the Common Wren [*Troglodytes europæus*]. < *Zoologist*, ii, 1844, p. 564.
1846. LAFRESNAYE, F. DE. Mélanges ornithologiques. < *Revue Zoologique*, ix, 1846, pp. 91-94.  
 Sur le genre *Campylorhynchus* de Spix (1824), *Picolaptes* Lesson (1830).—*C. zonatoides*, p. 92; *C. pallescens*, *C. unicolor*, p. 93, spp. nn.; avec une liste de 11 espèces de ce genre.
1846. LAFRESNAYE, F. DE. Description d'une nouvelle espèce de *Campylorhynche* [*Campylorhynchus unicoloroides*] de la Bolivie. < *Revue Zoologique*, ix, 1846, pp. 316, 317.
1847. CABOT, S., JR. [*Troglodytes albinucha*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, ii, Nov. 17, 1847, pp. 258, 259.  
 This is the orig. descr. of the species, not formally titled, but simply given at conclusion of a paper the full title of which will be found under *Laridæ*. (See 1848, CABOT, S., JR., *bis*.)
1847. GARNIER, —. [Nid du Troglodyte vulgaire contenant sept petits encore sans plumes. le 16 Décembre 1846.] < *Compt. Rend. de l'Acad. Sci. Paris*, xxiv, 1847, p. 79.
1847. GARNIER, —. Nidification du troglodyte (*Troglodyta vulgaris*) en hiver. < *Arch. des Sci. Phys. et Nat.*, iv, 1847, p. 222.  
 Extrait des *Comptes Rendus de l'Acad. Sci. Paris*, 18 janvier 1847.
1848. CABOT, S., JR. *Troglodytes albinucha*, a new species of Wren. < *Am. Journ. Sci.*, 2d ser., vi, 1848, p. 137.  
 Here given as a sub-head of a more extended title, from *Proc. Bost. Soc. Nat. Hist.*, ii, Nov. 17, 1847, pp. 257-259; but it is properly citable as a separate article, as it was in the original.
1848. CABOT, S., JR. A Comparison between *Sterna Cantiaea*, Gm., of Europe, and *Sterna Acuflavida*, Nobis, hitherto considered identical with *S. cantiaea*, and a description of a new species of Wren [*Troglodytes albinucha*]. < *Ann. Mag. Nat. Hist.*, 2d ser., ii, 1848, pp. 364, 365.  
 From *Proc. Boston Soc. Nat. Hist.*, ii, Nov. 17, 1847, pp. 257-259.—The editor here combines two originally distinct articles in one formally titled paper.

1850. [KIRTLAND, J. P.] A Rare Bird [Thryothorus ludovicianus. in Ohio]. < *The Family Visitor*, i, No. 52, p. 412.
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1867. TRIPPE, T. M. The Chickadee [*Parus atricapillus*]. <*Am. Nat.*, i, 1867, pp. 584-587.  
Biographical, with special reference to the nesting and eggs.
1875. WILDER, HARVEY. The Chickadees [*Parus atricapillus*]. <*St. Nicholas Mag.*, ii, 1875, pp. 79-81, one illust.  
Popular account.
1876. COLES, C. E. The Blue-gray Gnatcatcher. (*Poliptila cærulea*.) <*The Oölogist*, ii, No. 4, —, 1876, p. 31.
1876. COUES, E. Letters on Ornithology. No. 3.—The Blue-gray Gnatcatcher [*Poliptila cærulea*]. <*The Chicago Field*, Aug. 26, 1876, figure.  
Biography of the bird, from advance sheets of *Birds of the Colorado Valley*, with an original figure.
1876. COUES, E. Letters on Ornithology. No. 10.—Titmice, Tomtits or Chickadees [*Paridæ*]. <*The Chicago Field*, Dec. 30, 1876, figg. 2.  
Popular account of North American species, with figg. of the heads of *Parus montanus* and of *Lophophanes bicolor*.
1878. BELDING, L. Nesting-Habits of *Parus montanus*. <*Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 102, 103.
1878. BREWER, T. M. The Blue-gray Gnatcatcher (*Poliptila cærulea*) in Massachusetts. <*Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 146, 147.  
Being the second known instance of its occurrence in that State, the first having been recorded in *op. tom. cit.*, p. 45.
1878. COOPER, W. A. Notes on the breeding habits of Hutton's Vireo (*Vireo huttoni*) and the Gray Titmouse (*Lophophanes inornatus*), with a description of their Nests and Eggs. <*Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 68, 69.
1878. DEANE, R. The Blue-gray Gnatcatcher (*Poliptila cærulea*) in Massachusetts. <*Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 45.
1879. [ALDRICH, C.] The Chickadee [*Parus atricapillus*]. <*Hamilton Freeman* (newspaper of Webster City, Iowa), of Feb. 26, 1879.  
Popular account of habits.
1879. HENSHAW, H. W. Nest and Eggs of the Gray Titmouse (*Lophophanes inornatus*). <*Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, pp. 182, 183.
1879. INGERSOLL, [E.] Nest and Eggs of the Tufted Titmouse [*Lophophanes bicolor*]. <*The Oölogist*, v, No. 2, Aug., 1879, p. 10.  
Quoted from his *Nests and Eggs of American Birds*, Part II, p. 44.
1879. INGERSOLL, E. Nest and Eggs of the Blue-gray Gnatcatcher [*Poliptila cærulea*]. <*The Oölogist*, iv, No. 11, June, 1879, p. 86.  
Quoted from his *Nests and Eggs of American Birds*, Part II, p. 41.
1879. LANGDON, F. W. Albinism in the Tufted Titmouse [*Lophophanes bicolor*]. <*Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 116.

**Chamaeidae.**

1847. GAMBEL, W. *Chamaea*, new genus of Birds allied to *Parus*. < *Am. Journ. Sci.*, iv, Sept., 1847, p. 286.

This, though the first special title on the subject, does not cover the original description of *Chamaea*, g. n., which occurs in a paper entitled "Remarks on the Birds observed in Upper California", *Proc. Phila. Acad.*, iii, Feb., 1847, p. 154. The genus also reappears in a translation of this paper, „Ueber die in Oberkalifornien beobachteten Vögel“, in *Arch. f. Naturg.*, 1848, Bd. i, p. 102. The species, *C. fasciata*, was first described as *Parus fasciatus* in *Proc. Phila. Acad.*, ii, Aug., 1845, p. 265; and was figured in *Journ. Phila. Acad.*, 2d ser., i, pt. i, Dec., 1847, p. 34, pl. viii. f. 3.

1847. GAMBEL, W. *Chamaea*, a new genus of Birds allied to *Parus*. < *Ann. Mag. Nat. Hist.*, xx, 1847, pp. 441, 442.

From *Am. Journ. Sci.*, iv, Sept. 1847 p. 286.



### Mniotiltidæ.

1818. RAFINESQUE, C. S. Further Account of Discoveries in Natural History, in the Western States, . . . < *Amer. Monthly Mag.*, iv, 1818, pp. 39-42.  
No other bird-matter than *Rimamphus citrinus*, g. sp. n., p. 41, (Cf. Hartl., R. Z. viii, 1845, p. 343; Baird, B. N. A., 1858, p. 264. See also *Journ. de Phys.*, lxxxviii 1819, p. 418, where the genus and species reappears, along with *Helmitheros migratorius*, g. sp. n.)
1840. TOWNSEND, J. K. Description of a New Species of Sylvia [tolmæi], from the Columbia River. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, pp. 149, 150. (Read Apr. 2, 1839; vol. not pub. till 1840.)
1840. TOWNSEND, J. K. Note on Sylvia Tolmæi. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 159. (Read Sept. 10, 1839; vol. pub. 1840.)  
Claims priority for the name over that of *S. macgillivrayi* Aud., *Orn. Biog.*, v, 1839, p. 75; but actual priority of publication is with the latter. (See Baird, B. N. A., 1858, p. 245.)
1842. LEIB, G. C. [Note on Parus leucotis, Giraud.] < *Proc. Acad. Nat. Sci. Phila.*, i, 1842, p. 140.  
Identified as *Setofaga* (sic) *rubra*. The bird is the *Cardellina* (*Ergaticus*) *rubra* of late authors.
1842. STORER, D. H. [Note on Sylvia formosa.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, p. 55.
1844. McCULLOCH, T. On the importance of habit as a guide to accuracy in Systematical arrangement, illustrated in the instance of the Sylvia petechia [*Dendroeca palmarum* Baird] of Wilson, and all subsequent writers. < *Journ. Bost. Soc. Nat. Hist.*, iv, pt. iv, 1844, pp. 406-410.  
Taking habit as his guide, makes the bird out to be a *Seiurus*. The article is in effect an argument *against* the importance of habit as a guide to classification, unless checked by investigation of physical characters.
1845. CABOT, S., JR. [Occurrence of Silvia agilis at Brookline, Mass.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1845, 63.
1845. HARTLAUB, G. Notes ornithologiques. < *Revue Zoologique*, viii, 1845, pp. 342, 343.  
1. Sous la description de *Rimamphus citrinus* de Rafinesque (*Am. Month. Mag.*, iv, 1818, p. 41; *Journ. de Phys.*, lxxxviii, 1819, p. 418) l'auteur croit reconnaître la *Motacilla* [*Dendroeca*] *æstiva* des auteurs; et par conséquent le genre *Rhimamphus* serait identique avec *Sylvicola* Sw., 1827.—2. *Helmitheros migratorius* Raf. (loc. cit) est déclaré par Rafinesque même comme identique avec la *Sylvia vermivora* de Latham, pour laquelle Swainson et Audubon ont créé les genres *Vermivora* (1827) et *Helinaia* (1839); et l'auteur croit devoir réclamer la priorité en faveur de Rafinesque.
1852. BAIRD, S. F. Description of a new Species of Sylvicola [kirtlandi]. < *Ann. Lyc. Nat. Hist. New York*, v, 1852, pp. 217, 218, pl. vi.
1855. BRYANT, H. [Notice of the occurrence in Massachusetts, in January, of Sylvicola coronata and S. parus.] < *Proc. Bost. Soc. Nat. Hist.*, v, 1855, p. 142.
1855. GUNDLACH, J. Description of a New Species of Bird of the Genus Sylvicola [pityophila] Swainson. < *Ann. Lyc. Nat. Hist. New York*, vi, 1855, pp. 166, 161.
1856. BREWER, T. M. [Observations on a nest of the Nashville Warbler (*Vermivora rubricapilla*) discovered by Mr. George Wells, at Lynn, Mass. With remarks on nests and eggs of other New England Sylvicolidae.] < *Proc. Bost. Soc. Nat. Hist.*, vi, 1856, pp. 4-6.
1859. BREWER, T. M. [On the Distribution and Habits of the Summer Yellow-bird, *Dendroeca æstiva*.] < *Proc. Bost. Soc. Nat. Hist.*, vii, 1859, pp. 21, 22.  
With special reference to the building of "two-story" nests by this species, to obviate incubation of egg of *Molothrus pecoris*.

1860. [KIRKPATRICK, J.] Kirtland's Warbler [*Dendroica kirtlandi*]. < *Ohio Farmer* (newspaper), vol. ix, No. 23, June 9, 1860, p. 179.  
A specimen of this rare bird was shot a short time ago, near the "old river bed", Cleveland, by Mr. Durby, of University Heights. It was identified by R. K. Winslow, preserved and mounted by him, and proved to be a female. Until now there was but one specimen of this bird known, that obtained by Dr. Kirtland, now in the collection of the Smithsonian Institution at Washington. It was first described by Baird in the *Annals of the New York Lyceum* (1852), and afterward in Cassin's *Illustrations*. The present specimen is more lead-colored on the upper parts than Cassin's figure. Mr. Winslow informs us that Wm. Case, Esq., once shot a specimen, but it was so badly injured as to be unfit for preserving.
1861. VENNOR, H. G. A short review of the Sylviadæ or Wood-Warblers found in the vicinity of Montreal. < *Canad. Nat. and Geol.*, vi, Oct., 1861, pp. 349-362.  
Descriptions, compiled, and some accounts of habits.
1865. SCLATER, P. L. Note on two rare Species of the American genus *Dendroica*. < *Ibis*, 2d ser., i, 1865, pp. 87-89, and p. 237.  
Critical remarks on 4 closely allied species—*D. virens*, *occidentalis*, *townsendi*, and *chrysoparia*, with a synonymatic and diagnostic list of them. *D. nireiventris* Salv., *P. Z. S.*, 1863, p. 187, pl. xxiv, f. 2, is referred to *occidentalis*. Cf. *tom. cit.*, p. 237, for correction of an error respecting *D. chrysoparia*.
1865. SCLATER, P. L. On a New Species of the Genus *Basileuterus* of Cabanis, with a Synopsis of the known Species of the Genus. < *P. Z. S.*, xxxiii, 1865, pp. 282-286, pll. ix, x.  
Diagnostic and synonymatic list of 15 spp., exclusive of *Myiothlypis nigricristata* and *Euthlypis lachrymosa*. *B. mesoleucus*, p. 286, pl. ix, f. 1, sp. n. Pl. ix, fig. 2, *B. cinereicollis*; pl. x, f. 1, *B. semicervinus*; pl. x, f. 2, *B. uropygialis*.
1866. BENVENUTI, E. [Descrizione di una nuova specie di *Dendroica* (picciolii) del Brasile.] < *Annali R. Mus. Fisica e Storia Nat. di Firenze per il 1865*, nuova serie, i, 1866, p. 207.  
The description occurs in an article of wider scope, describing four new *Trochilidæ*, with a note on Birds of Tuscany. The full title is given elsewhere.
1867. BREWER, T. M. [Remarks on the Wood-Warblers (*Dendroicæ*) of North America.] < *Proc. Bost. Soc. Nat. Hist.*, xi, 1867, pp. 139, 140.
1868. TRIPPE, T. M. The Warblers [*Sylvicolidæ*]. < *Am. Nat.*, ii, 1868, pp. 169-183.  
Biographical notes on various North American species.
1869. BOARDMAN, G. A. Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 222.  
Very common at Milltown, Maine.
1869. JACKSON, T. H. The Worm-eating Warbler [*Helminthophaga vermivorus*]. < *Am. Nat.*, iii, 1869, p. 556.  
Note on the nest and eggs.
1869. PURDIE, H. A. [Notice of the Capture of *Helminthophaga peregrina* in Newton, Mass.] < *Proc. Bost. Soc. Nat. Hist.*, xiii, 1869, p. 93.
1869. PURDIE, H. A. Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 31.  
Note on its geographical distribution.
1869. PURDIE, H. A. Golden-winged Warbler [*Helminthophaga chrysoptera*]. < *Am. Nat.*, iii, 1869, p. 497.  
On its local distribution and breeding.
1869. TRIPPE, T. M. The Tennessee Warbler [*Helminthophaga peregrina*]. < *Am. Nat.*, iii, 1869, p. 496.  
On its local distribution.
1870. SUNDEVALL, C. J. Öfversigt af fogelslägtet *Dendroica*. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1869*, 1870, pp. 605-618.  
Div. I. *Flavovirides*. 1. *aestiva*. 2. *petechia*. a) *bartholemica*, b) *crucianca*, c) *barbadensis*, d) *cubana*, e) *jamaicensis*, f) *gallapagensis*, g) *peruviana*, h) *aequatorialis*, i) *panamensis*, var. nn. 2? *coa*. II. *Stigmatoptera*: 4. *olivacea*, 5. *sacrulescens*. III. *Albifasciæ*. 6. *nigrescens*.

## 1870. SUNDEVALL, C. J.—Continued.

7. *townsendi*. 8. *chrysopareia*. 9. *occidentalis*. 10. *virens*. 11. *blackburniæ*. 12. *graciae*. 13. *dominica*. 14. *pityophila*. 15. *icterocephala*. 16. *pinus*. 17? *montana*. 18. *coronata*. 19. *auduboni*. 20. *castanea*. 21. *striata*. 22. *caerulea*. 23. *adelaidæ*. 24. *maculosa*. IV. *Acutirostres*. 25. *discolor*. 26. *palmatum*. 27. *tigrina*.—Necnon, auctori ignotæ, 28. *pharetra*. 29. *kirtlandi*. 30. *carbonata*.—Adjectis descriptionibus, synonymis, locis, observationibusque.

1872. BREWER, T. M. [On the appearance of *Oporornis agilis* in Massachusetts.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, pp. 3, 4.

1872. BREWER, T. M. [Note of the breeding of *Dendroica coronata* in Maine.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, p. 4.

1872. BREWER, T. M. [On the abundance of *Dendroica castanea* in Wisconsin and Massachusetts in 1872.] < *Proc. Boston Soc. Nat. Hist.*, xv, 1872, pp. 192, 193.

1872. BREWER, T. M. [On the movements of *Dendroica castanea*.] < *Ibis*, 3d ser., ii, 1872, p. 334.

1872. COUES, E. Nest and Eggs of *Helminthophaga lincæ*. < *Am. Nat.*, vi, 1872, p. 493.

Discovered by C. Bendire in Arizona; cf. Coues, *B. O. V.*, 1878, p. 221.

1872. RIDGWAY, R. On the Occurrence of *Setophaga picta* in Arizona. < *Am. Nat.*, vi, 1872, p. 436.

1872. SALVIN, O. Remarks on the Mniotiltine Genus *Geothlypis*. < *Ibis*, 3d ser., ii, 1872, pp. 147-152.

General commentary: differentiation of 8 spp.; details of their geographical distribution and migration.—*G. chiriquensis*, p. 148, new form of *G. æquinoctialis*.

1874. BREWSTER, W. A New Species of North American Warbler [*Helminthophaga leucobronchialis*]. < *Am. Sportsman*, v, Oct. 17, 1874, p. 33.

1874. HERRICK, H. Description of a new species of *Helminthophaga* [*lawrencii*]. < *Proc. Phila. Acad. Nat. Sci.*, 1874, p. 220, pl. 15.

1874. "SIGMA PIIL." A bird not to be imposed upon. < *Forest and Stream*, iii, Sept. 10, 1874, p. 68.

Device of *Dendroica aestiva* to escape infliction of the egg of *Molothrus ater*.

1874. STARK, A. C. The Chestnut-sided Warbler [*Dendroica pennsylvanica*]. < *Am. Nat.*, viii, 1874, p. 756.

Breeding in West Virginia.

1875. ALLEN, J. A. Influence of Elevation and Latitude upon the Distribution of Species. < *Am. Nat.*, ix, No. 3, Mar., 1875, pp. 181, 182.

With special reference to *Dendroica pennsylvanica*.

1875. BREWSTER, W. Habits of the Mourning Warbler (*Geothlypis philadelphia*). < *Rod and Gun*, vi, Apr. 24, 1875, p. 50.

Observations made in Maine: read before *Nutt. Ornith. Club*, April 3, 1875.

1875. FINSCH, O. Notes on *Phenicomanes iora*, Sharpe, and *Abornis atricapilla*, Blyth. < *P. Z. S.*, Dec. 7, 1875, pp. 640, 641.

The "*Abornis*" described from "China" (*Ibis*, 1870, p. 169) is no other than the North American *Myiodioctes pusillus* (Wils.).

1875. FISHER, A. K. *Oporornis formosus* breeding in Eastern New York. < *Am. Nat.*, ix, No. 10, Oct., 1875, p. 573.

1875. JORDAN, D. S. *Dendroica dominica* in Indiana. < *Am. Nat.*, ix, No. 5, May, 1875, p. 313.

With note on *Sialurus ludovicianus* in Wisconsin.

1875. MINOT, H. D. Nesting of the Prairie Warbler [*Dendroica discolor*] in New Hampshire. < *Am. Nat.*, ix, No. 9, Sept., 1875, p. 520.

1875. RIDGWAY, R. Nesting of the Worm-eating Warbler [*Helminthorus vermivorus*]. < *Field and Forest*, i, No. 2, July, 1875, pp. 10-12.

1875. WILLARD, S. L. Eggs and Nest of Black-Throated Green Warbler [*Dendroica virens*]. < *Öfölogist*, i, 1875, pp. 2, 3.

1875. [WILLARD, S. L.]. Warblers' [Sylvicolidæ] Nests. < *Oölogist*, i, 1875, p. 35.
1875. [WILLARD, S. L.]. The Yellow Warbler [*Dendroica aestiva*] and its Enemy [*Molothrus ater*]. < *Oölogist*, i, 1875, p. 43.
1876. BREWSTER, W. Description of a [lately] new species of *Helminthophaga* [*leucobronchialis*]. < *Bull. Nutt. Ornith. Club*, i, No. 1, Apr., 1876, pp. 172, pl. 1.  
The first notice of this species was in the *American Sportsman*, v, Oct. 17, 1874, pp. 33.
1876. BREWSTER, W. Capture of the Orange-crowned Warbler [*Helminthophaga celata*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, pp. 94, 95.
1876. ERNEST, H. Warblers of the Western Reserve [Ohio]. < *Forest and Stream*, vi, June 15, 1876, p. 300.  
Thirty-one species, with remarks.
1876. JONES, C. M. On the breeding of the Black-throated Blue Warbler (*Dendroica caerulescens*) in Connecticut. < *Bull. Nutt. Ornith. Club*, i, No. 1, 1876, pp. 11-13.
1876. RIDGWAY, R. Notes on the Genus *Helminthophaga*. < *Ibis*, 3d ser., vi, Apr., 1876, pp. 166-171.  
Critical discrimination of 10 spp. of the genus, with geographical distribution, and remarks on *H. lawrencii* and *H. leucobronchialis*. The former is suggested as possibly a hybrid between *pinus* and *chrysoptera*.
1876. RIDGWAY, R. On Geographical Variation in *Dendroica palmarum*. < *Bull. Nutt. Ornith. Club*, i, No. iv, Nov., 1876, pp. 81-87.  
*D. palmarum* subsp. n. *hypochrysea*, p. 84. The two supposed subspecies are very fully described.
1876. SALVIN, O. *Dendroica chrysoparia*. (The Yellow-cheeked Warbler.) < *Rowley's Ornith. Misc.*, part iii, Jan., 1876, pp. 181-184, plate.  
Complete history of the species to date, with a beautiful colored plate of 3 figures. Cf. Purdie, *Bull. Nutt. Ornith. Club*, 1878, p. 60, and Coues, *ibid*.
1876. WARREN, J. Nesting of the Golden-winged Warbler (*Helminthophaga chrysoptera*), in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. 1, 1876, pp. 6-8.
1877. BREWER, T. M. [Letter on the Nest and Eggs of *Dendroica auduboni*.] < *Ibis*, 4th ser., i, July, 1877, pp. 394, 395.  
Fully describing specimens from Summit County, Colorado.
1877. BREWSTER, W. The Black-and-Yellow Warbler (*Dendroica maculosa*). < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, pp. 1-7.  
Full account of habits.
1877. BREWSTER, W. The Yellow-throated Warbler (*Dendroica dominica*). < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, pp. 102-106.  
Very full account of its habits, with special reference to its breeding. Cf. *op. cit.*, 1878, p. 43.
1877. BOWDWIN, G. Yellow-pool [*i. e.*, pool] wood-warbler (*Dendroica aestiva*). < *Forest and Stream*, viii, Apr. 5, 1877, p. 129.  
Habits as observed at Philadelphia.
1877. COUES, E. Letters on Ornithology. No. 16 [bis]—The American Warblers.—Family Sylvicolidæ. < *The Chicago Field*, Dec. 15, 1877, p. 254, fig.  
Popular account, with fig. of *Dendroica virens*.
1877. FRAZAR, A. M. Audubon's Warbler [*Dendroica auduboni*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 27.
1877. HERRICK, H. Capture of a second specimen of *Helminthophaga lawrencii*. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, pp. 19, 20.
1877. MAYNARD, C. J. Nesting Habits of the Worm-eating Warbler (*Helminthosus vermivorus*). < *Oölogist*, iii, No. 3, 1877, pp. 19, 20.
1877. NUTTER, F. H. Red-Bellied Nut-Hatch (*Sitta Canadensis*) nesting on the Ground (?). < *Am. Nat.*, xi, No. 9, 1877, pp. 565, 566.  
Afterward shown to be probably *Myiodytes canadensis*.

1877. SMITH, G. STUART. Nesting of the Maryland Yellow-throat [*Geothlypis trichas*]. < *Oölogist*, iii, No. 10, p. 77; fig. in No. 11, p. 87.
1877. TROTTER, S. Capture of a Second Specimen of *Helminthophaga leucobronchialis*. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, pp. 79, 80.
1877. TROTTER, S. On *Helminthophaga leucobronchialis* (Brewster). < *Proc. Phila. Acad. Nat. Sci.*, 1877, p. 292.  
Discovery of a third specimen, longtime in the Mus. Acad. Phila.
1878. BREWSTER, W. Note on *Dendroica dominica*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 43.  
Correction of Brewster, *op. cit.*, Oct., 1876, pp. 102-106.
1878. BREWSTER, W. The White-Throated Warbler (*Helminthophaga leucobronchialis*) in Connecticut. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 99.
1878. BREWSTER, W. The Prothonotary Warbler (*Protonotaria citrea*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 153-162.  
An extended biographical sketch, well-written, interesting, and perfectly reliable.
1878. BREWSTER, W. Capture of a Fifth Specimen of the White-throated Warbler (*Helminthophaga leucobronchialis*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 199, 200.  
At Suffolk, Conn., July 3, 1875, by E. I. Shores.
1878. BUEL, J. A. [Capture of Kirtland's warbler (*Dendroica kirtlandi*) at Cleveland, Ohio.] < *The Country*, ii, June 1, 1878, p. 89.
1878. COLLINS, W. L. Tragic Fate of a Summer Warbler [*Dendroica æstiva*]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 197.  
Noosed and killed by a thread from her unfinished nest.
1878. COUES, E. Nest and Eggs of *Helminthophaga pinus*. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 194.  
Notes on two nests secured by S. N. Rhoads near West Chester, Pa.
1878. DEANE, R. The Blue-winged Yellow Warbler (*Helminthophaga pinus*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 188.  
The second record of its occurrence in the State, where it had recently been denied by T. M. Brewer, though long since recorded as a Massachusetts bird, and the original specimen preserved (cf. *Proc. Bost. Soc.*, vi, p. 386).
1878. [ERNST, H.] Another Kirtland Warbler [*Dendroica kirtlandi*]. < *Forest and Stream*, x, June 20, 1878, p. 379.  
Supposed "third instance" (really about the eighth) of its capture in U. S.; this time near Cleveland, Ohio. See above, 1878, BUEL, J. A.
1878. FISHER, A. K. The Kentucky Warbler (*Oporornis formosus*) at Sing Sing, N. Y. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 191, 192.  
"There must have been at least sixteen individuals here, and undoubtedly four nests."
1878. INGERSOLL, E. Nesting Habits of the Black-and-White Creeper (*Mniotilta varia*). < *Oölogist*, iv, No. 1, Mar., 1878, pp. 1, 2.
1878. MURDOCH, J. Report of the Second Capture of the Orange-crowned Warbler (*Helminthophaga celata*) in New Hampshire. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 96, 97.
1878. NUTTER, F. H. Nesting Habits of the Canada Flycatcher [*Myiodiocetes canadensis* (?)]. < *Amer. Nat.*, xii, No. 6, June, 1878, p. 397.  
Referring to a set of eggs formerly (*op. cit.*, xi, p. 565) referred to "*Sitta canadensis*?" now doubtfully identified as above.
1878. PURDIE, H. A. Capture of the Yellow-throated Warbler [*Dendroica dominica*] in Massachusetts, and Notes on other Rare Massachusetts Birds. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 146.  
The remainder of the paragraph speaks of *Rallus elegans* and *Anser hyperboreus* in the same State.

1878. SALVIN, O. A Synopsis of the Genus *Setophaga*. < *Ibis*, 4th ser., ii, No. 7, July, 1878, pp. 302-321, pll. vii, viii.  
A carefully-wrought article, giving synonymy, diagnosis, habitat, and criticism of 15 spp.  
The genus reads *Setophaga* Sw., 1827 = *Sylvania* Nutt., 1832 nec 1840; with *Euthlypis* Cab., 1850, as a subgenus, based on *E. lachrymosa*, and *Myioborus* Baird, 1865, as a subgenus, covering 13 spp. (all the rest except *S. ruticilla*).  
The species recognized are *S. ruticilla*, *S. (M.) picta*, *miniata*, *aurantiaca*, *verticalis*, *melanocephala*, *brunneiceps*, *castaneocapilla*, *chrysops* (sp. n., p. 314, pl. vii, f. 2 = *flaveola* Kaup nec Lafr.), *ornata*, *ruficoronata* (pl. vii, f. 1), *bairdi*, sp. n., p. 317, pl. viii, f. 1 = *ruficoronata* ScL. Salv. Bd. nec Kaup), *albifrons* (pl. viii, f. 2), *torquata*, and *S. (E.) lacrymosa*.—Note on *Setophaga multicolor* Bp.
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See Trotter, *Pr. Phila. Acad.*, 1877, p. 292.
1879. ALLEN, J. A. Nest and Eggs of the Cerulean Warbler [*Dendroica cœrulea*]. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, pp. 25-27.  
Fully describing three nests and eggs of this species, heretofore not satisfactorily known, Audubon's account being "evidently erroneous in nearly every particular", and the only other one, Brewer's, being very discrepant.
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Observations on habits, by W. A. Cooper.
1879. DEANE, R. Occurrence of the Western Variety of the Yellow Red-poll Warbler [*Dendroica palmarum hypochrysea*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 60.  
Correction, *tom. cit.*, p. 186.
1879. DEANE, R. Additional Capture of the Cerulean Warbler [*Dendroica cœrulea*] in New England. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 185.
1879. DEANE, R. Correction [respecting *Dendroica palmarum hypochrysea*, this Bull., iv, p. 60]. < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 186.
1879. FISHER, A. K. *Helminthophaga leucobronchialis* in New York. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 234.
1879. GIBBS, M. A New Bird [*Helminthophaga gunnii*]. < *Daily Morning Democrat* (Grand Rapids, Mich.), xvi, No. 224, June 1, 1879.  
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With full description of the nest and eggs.
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Notes on arrivals and departures of 18 spp.

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Three, in addition to five before known, with presumptive identification of *H. gunnii* Gibbs (*Daily Democrat*, newspaper of Grand Rapids, Mich., June 1, 1879) as still another.
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1879. RIDGWAY, R. Note on *Helminthophaga gunnii*, Gibbs. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 233, 234.  
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Record of two specimens, and perhaps of a third, additional to those before known.

**Motacillidæ.**

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Non mihi obvia.—Pars II., vide sub *Charadriidis*, hujusce bibliographiæ.
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## Hydrobatidæ.

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1867. FEILDEN, H. W. Nesting of the Dipper [*Cinclus aquaticus*]. < *Zoologist*, 2d ser., ii, 1867, pp. 755, 756.
1867. HARTLAUB, G. [The original description of *Cinclus leucogaster* Eversm. believed to have been published in that part of the "Addenda ad Zoographiam Rosso-Asiaticam" of which the whole edition was destroyed by fire excepting a very few copies.] < *Ibis*, 2d ser., iii, 1867, p. 383.
1866. RODD, E. H. Nesting of the Dipper [*Cinclus aquaticus*]. < *Zoologist*, 2d ser., i, 1866, pp. 268, 269.
1867. TRISTRAM, H. B. [The *Cinclus* which breeds in the Pyrenees is *C. melanogaster*.] < *Ibis*, 2d ser., iii, 1867, pp. 466, 467.
1867. SALVIN, O. [Note on *Cinclus leucogaster* Eversm.] < *Ibis*, 2d ser., iii, 1867, pp. 382, 383.

With reference to the publication of the name in *Tchihatcheff's Voy. Scient. dans l'Altai Orient.*, 1845, p. 442. Cf. *Ibis*, 1867, pp. 118 and 383.

1867. SALVIN, O. On the Genus *Cinclus*. < *Ibis*, 2d ser., 1867, iii, pp. 109-122, pl. ii.

This article is *facile princeps* among those treating of the present family, and remains the leading authority. The species and races are handled upon philosophical principles which were not usually applied to the solution of such questions at that date, and treated with synonymy, description, habitat, and much critical comment. Thirteen forms of the genus are recognized, arranged in five main stems, with four more "representative" branches, and four "local" twigs. These are: *AQUATICUS*, with races (*aquaticus*), *albicollis*, and *melanogaster*, and *cashmiriensis* and *leucogaster* as representative species; *SORDIDUS*, alone; *PALLASI*, with (*pallasi*), *marila*, and *asiaticus* as races; *MEXICANUS*, with *ardesiacus* (p. 121, pl. ii, sp. n.) as its representative species; and *LEUCOCEPHALUS* with *leuconotus* as its representative.

"We thus have five well-marked forms of *Cinclus*:—1. *Cinclus aquaticus*, which consists of three constant but nearly allied local races [1, *aquaticus*, 2, *albicollis*, 3, *melanogaster*] and two more distinct representative species [4, *cashmiriensis*, 5, *leucogaster*], all occupying different geographical areas; 2. [6] *Cinclus sordidus*, which seems to stand alone; 3. *Cinclus pallasi*, represented by three distinguishable races [7, *pallasi*, 8, *marila*, 9, *asiaticus*] occupying distinct districts; 4. *Cinclus mexicanus*, which is represented by two forms [10, *mexi-*

## 1867. SALVIN, O.—Continued.

*canus*, 11, *ardesiacus*]; and 5. *Cinclus leucocephalus*, also represented by two members [12, *leucocephalus*, 13 *leuconotus*],—the total number of recognizable species being *thirteen*."

Reviewing the whole literature of the family, I make out the following list of nominal species, in alphabetical order, with the references:—

- albicollis** (HYDROBATA), Vieill., Nouv. Dict., i, 1816, p. 219.....S. EUR., LEBANON.  
**albiventris** (CINCLUS AQUATICUS var.), Hempr. & Ehrenb., "Symb. Phys., 1820-25, Aves, fol. bb."= *albicollis*.  
**americanus** (CINCLUS), Sw., Fn. Bor.-Am., ii, 1831, p. 173= *mexicanus* Sw.  
**aquaticus** (CINCLUS), Bechst., Naturg. Vög. Deutschl., iii, 1802, p. 808...CENT. EUROPE.  
**aquaticus** (CINCLUS), Tristr., Ibis, 1864, p. 436= *albicollis* V.  
**ardesiacus** (CINCLUS), Salv., Ibis, 2d ser., iii, 1867, p. 121, pl. ii.....VERAGUA.  
**asiaticus** (CINCLUS), Sw., Fn. Bor.-Am., ii, 1831, p. 174.....HIMALAYAN ASIA.  
**bicolor** (HYDROBATA), Vieill., ———?  
**brachycercus** (CINCLUS LEUCOGASTER var.), Brehm, J. f. O., 1859, p. 471= *leucogaster*.  
**cashmeriensis** (CINCLUS), Gould, P. Z. S., 1859, p. 494.....THIBET.  
**cinclus** (STURNUS), Linn., Syst. Nat., i, 1766, p. 290= *melanogaster*, Br.  
**cinclus** (STURNUS), Gm., Syst. Nat., i, 1788, p. 803= *aquaticus* ×.  
**cinclus** var. (STURNUS), Pall., Zoog. R.-A., i, 1831, p. 426= *leucogaster*?  
**cinclus** (HYDROBATA), L. Adams, P. Z. S., 1858, p. 439= *cashmiriensis*.  
**europæus** (CINCLUS), Steph., Shaw's G. Z., x, 1817, p. 313= *aquaticus* ×.  
**gularis** (TURDUS), Lath., Ind. Orn. Suppl., 1802, pl. xl= *aquaticus* ×.  
**leucocephalus** (CINCLUS), Tschudi, Arch. f. Naturg., 1844, (1), p. 279.....PERU.  
**leucocephalus** (CINCLUS), Lafr., Rev. Zool., 1847, p. 68= *leuconotus*.  
**leucogaster** (CINCLUS), Eversm., "Add. ad Zoog. R.-A."; "Tchihatcheff's Voy., 1845, p. 442"; (cf. Ibis, 1867, pp. 117, 118, 382, 383).....SIBERIA.  
**leuconotus**, Sel., P. Z. S., 1857, p. 274.....ECUADOR.  
**macrourus** (CINCLUS LEUCOGASTER var.), Brehm, J. f. O., 1859, p. 471= *leucogaster*.  
**maculatus** (CINCLUS), Hodgs., "Zool. Misc., 1844, pp. 83, 73"= *asiaticus*.  
**marila** (HYDROBATA), Swinh., "J. N. China Br. Roy. Asiat. Soc. 1859"; Ibis, 1860, p. 187.....FORMOSA.  
**medius** (CINCLUS), Brehm, Naum., vi, 1856, 185= *aquaticus*.  
**melanogaster** (CINCLUS), Brehm, Lehrb. Eur. Vög., i, 1823, p. 289.....N. EUROPE.  
**meridionalis** (CINCLUS), Brehm, Naum., vi, 1856, p. 186= *albicollis*.  
**mexicanus** (CINCLUS), Sw., Philos. Mag., i, 1827, p. 368.....N. AMERICA.  
**mortoni** (CINCLUS), Towns., Narr., 1839, p. 337= *mexicanus*.  
**pallasii** (CINCLUS), Temm., Man., i, 1820, p. 177; iii, 1835, p. 107.....E. ASIA, JAPAN.  
**pallasii** (CINCLUS), Bp., Ann. Lyc. N. Y., ii, 1826, p. 439= *mexicanus*.  
**pallasii** (CINCLUS), Gould, "Cent. B., pl. 24"= *asiaticus* Sw.  
**pallasi** (CINCLUS), Swinh., Ibis, iv, 1863, p. 272= *marila* Swinh.  
**peregrinus** (CINCLUS), Brehm., Naum., vi, 1856, p. 187= *melanogaster*.  
**rufipectoralis** (CINCLUS), Brehm, Naum., vi, 1856, p. 186= *albicollis*.  
**rufiventris** (CINCLUS AQUATICUS var.), Hempr. & Ehrenb., "Symb. Phys., 1820-25," p. —, = *albicollis*.  
**rupestris** (CINCLUS), Brehm, Naum., vi, 1856, p. — = *albicollis*.  
**septentrionalis** (CINCLUS), Brehm, Lehrb. Eur. Vög., i, 1823, p. 287= *melanogaster* Br.  
**sordidus** (CINCLUS) Gould, P. Z. S., 1859, p. 494.....THIBET.  
**tennirostris** (CINCLUS), "Gould," Bp., Consp. Av., i, 1850, p. 252= *asiaticus* Sw.  
**townsendii** (CINCLUS), "Aud.," Towns., Narr., 1839, p. 340= *mexicanus*.  
**unicolor** (CINCLUS), Bp., Zool. Journ., iii, 1827, p. 52= *mexicanus*.

1870. GOULD, J. [Remarks on exhibition of some English specimens of Water-ouzels (*Cinclus aquaticus*).] < P. Z. S., xxxviii, 1870, p. 384.

1871. GURNEY, J. H., JR. Dipper [*Cinclus aquaticus*] at Rye and Bridlington. < Zoologist, 2d ser., vi, 1871, p. 2348.

1874. COVES, [E.] The Dipper [*Cinclus mexicanus*]. < Am. Sportsman, 1874, p. 97, fig.

Figure and brief notice.

1878. [FITCH, E. H.] The Water Ouzel or American Dipper. (*Cinclus mexicanus*). < The Journ. of Sci., (Toledo, Ohio), 2d ser., No. 8, Nov., 1878, fig.

Popular biography of the bird, with a cut.

1878. MUIR, J. The Humming-Bird [*i. e.*, *Cinclus mexicanus*!] of the California Water-Falls. < Scribner's Monthly Mag., vol. xv, Feb., 1878, No. 4, pp. 545-554, figs.

Popular, with pretty but marvellous cuts.

## Formicariidæ.

1792. SCHRANK, F. V. PAULA. Beschreibung eines seltenen Vogels aus der Gattung der Würger [*Lanius surinamensis*]. < *Abh. einer Privatgesell. von Naturf. und Oekon. Oberdeutschl.*, 1<sup>ster</sup> Theil, 1792, pp. 95, 98, pl. vi.  
Not seen—nor do I know that it belongs here. But there are no *Laniidæ* in Surinam, and I presume that some Formicarian is meant. Cf. *Meyer's Zool. Annalen*, i, 1794, pp. 56, 137.
1825. LESSON, R. P. Sur deux nouveaux genres d'oiseaux, *Formicivora* et *Drymophila*, . . . ; par W. Swainson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, pp. 410–411.  
Extr. du *Zool. Journ.*, ii, No. 6, Juin, 1825, pp. 145–154.
1825. SUCH, G. Descriptions of some new Brazilian species of the family Laniadæ [*i. e.*, *Formicariidæ*]. < *Zool. Journ.*, i, 1825, pp. 554–559, pll. suppl. 5–8.  
*Thamnophilus swainsonii*, p. 556, pl. 5; *T. maculatus*, p. 557, pl. 6; *T. vigorsii*, p. 557, pl. 7, 8; *T. leachii*, p. 588; *T. ruficeps*, *Drymophila variegata*, p. 559.
1825. SWAINSON, W. The characters and descriptions of seven Birds belonging to the genus *Thamnophilus*. < *Zool. Journ.*, ii, 1825, pp. 84–93.  
*T. bicolor*, p. 86; *T. cinnamomeus*, p. 87; *T. fasciatus*, p. 88; *T. torquatus*, p. 89; *T. naevius*, p. 90, vars. *ambiguus* and *pileatus*, p. 91; *T. ferrugineus*, p. 92.
1825. SWAINSON, W. On two new Genera of Birds, *Formicivora* and *Drymophila*, with Descriptions of several species. < *Zool. Journ.*, ii, 1825, pp. 145–154.  
*F.* (p. 145) *maculata*, p. 147; *F. nigricollis*, p. 147; *F. brevicauda*, p. 148; *D.* (p. 149) *leucopus*, p. 150; *D. longipes*, *D. trifasciata*, p. 152; *D. atra*, p. 153.
1826. LESS[ON, R. P.]. Caractères et description de divers Oiseaux du genre *Thamnophilus*; par W. Swainson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sec., vii, 1826, p. 108, 109.  
Extrait du *Zool. Journ.*, ii, 1825, No. 5, p. 84–93.
1826. LESS[ON, R. P.]. Description de quelques espèces inédites de la famille des Laniadæ [*i. e.*, *Formicariidæ*], provenant du Brésil; par George Such. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, p. 245, 246.  
Extrait du *Zool. Journ.*, i, No. 4, Janvier 1825, p. 554–559.
1830. SUCH, G. Neue brasilische Laniaden [*i. e.*, *Formicariidæ*]. < *Oken's Isis*, Bd. xxiii, 1830, pp. 827–829.  
Aus der *Zool. Journ.*, i, Nr. iv, 1825, pp. 554–559, *q. v.*
1830. SWAINSON, W. Zwey neue Vögel, *Formicivora* und *Drymophila*. < *Oken's Isis*, Bd. xxiii, 1830, pp. 845, 846.  
Aus der *Zool. Journ.*, ii, 1825, pp. 145–154, *q. v.*
1830. SWAINSON, W. Caractere mehrerer *Thamnophili*. < *Oken's Isis*, Bd. xxiii, 1830, pp. 840, 841.  
Aus der *Zool. Journ.*, ii, 1825, pp. 84–93, *q. v.*
1835. MÉNÉTRIÉS, E. Monographie de la Famille des Myiotherinae où sont décrites les espèces qui ornent le musée de l'Académie Impériale des Sciences. < *Mém. de l'Acad. Impér. Sci. St.-Petersb.*, vi sér., vol. iii, pte. ii, (*Sci. Nat.*, i), 1835, pp. 443–543, pll. 1–15.  
*Myioturdus rex*, p. 462. *M. ochroleucus*, p. 464. *M. marginatus*, p. 465, pl. 1. *M. tetema*, p. 466. *M. umbretta*, p. 468. *M. tinniens*, 469. *M. palikour*, sp. renom., p. 470. *M. lineatus*, p. 471. *Myrmothera nematura*, *M. longipes*, p. 474. *M. thamnophiloides*, p. 475. *M. gularis*, p. 476, pl. 2, f. 2. *M. axillaris*, p. 478. *M. unicolor*, sp. n., p. 480, pl. 2, f. 1. *Formicivora nigricollis*, p. 482, pl. 3, f. 1, 2. *F. dulzée*, sp. n., p. 484, pl. 5, f. 2. *F. pileata*, p. 485. *F. rufimarginata*, p. 487. *F. ferruginea*, p. 488. *F. loricata*, p. 490, pl. 4, f. 1, 2. *F. strigilata*, p. 493. *F. maculata*, p. 494, pl. 5, f. 1. *F. natalura*, p. 496. *F. rufa*, pl. 9, f. 1. *F. caeruleascens*, p. 499, pl. 6, f. 1, 2. *F. melanaria*, sp. n., p. 500, pl. 7, f. c. *F. alapi*, p. 502. *F. domicella*, p. 503, pl. 7, f. 1, 2, and b. *F. atra*, p. 505. *F. maura*, sp. n., p. 506, pl. 7, f. a. *F. ardesiaca*, p. 507. *F. melanura*, sp. n., p. 508, pl. 8, f. 1, 2. *F. capistrata*, p. 509 (Asiatic!). *F. melanothorax*, p. 510 (Asiatic!). *F. pyrrhogenys*, p. 511 (Asiatic!). *F. epilepidota*, *grammiceps*, p. 512 (Asiatic!). *F. leucophrys*,

## 1835. MÉNÉTRIÉS, E.—Continued.

p. 513 (Asiatic!). *F. gularis*, p. 514 (Asiatic!). *Leptorhynchus* (g. n., p. 515) *guttatus*, sp. n., p. 516, pl. 10, f. 1. *L. striolatus*, p. 517, pl. 10, f. 2. *Oxyppuga* (g. n., p. 519) *seensor*, sp. n., p. 520, pl. 11 [= *Sclerurus* Sw., 1827—*Anabatidae*]. *Malacorhynchus* (g. n., p. 522) *crisatellus*, sp. n., p. 523, pl. 12 [= *Merulaxis* Less., 1830—*Pteroptochidae*]. *M. rhynolophus*, p. 524. *M. albi-ventris*, sp. n., p. 525, pl. 13, f. 2. *M. speluncæ*, sp. n., p. 527, pl. 13, f. 1. *M. chilensis*, sp. renom., p. 527. *M. indigoticus*, p. 529. *Conopophaga leucotis*, p. 532. *C. dorsalis*, sp. n., p. 533, pl. 14, f. 2. *C. vulgaris*, sp. renom., p. 534, pl. 14, f. 1. *C. nigrogenys*, p. 536, pl. 15, f. 1. *C. melanogaster*, sp. n., p. 537, pl. 15, f. 2. *C. naevia*, p. 538.

1839. LESSON, R. P. Révision de la famille des Fourmilliers (Myiotherideæ). < *Revue Zoologique*, ii, 1839, pp. 135, 136.1839. LESSON, R. P. Cadre spécifique des oiseaux de la famille des Myiothères. < *Revue Zoologique*, ii, 1839, pp. 225, 226.  
31 genres.1840. BONAPARTE, C. L. Catalogue d'Oiseau du Mexique et du Pérou. < *Rev. Zool.*, iii, 1840, pp. 19, 20.

This is not the catalogue itself, but merely editorial notice of Bonaparte's lately new genus *Scelopacinus*, *P. Z. S.*, 1837, p. 119.

1840. LAFRESNAYE, [F.] DE. Réponse de M. de La Fresnaye aux réflexions ornithologiques de M. Lesson. < *Revue Zoologique*, iii, 1840, pp. 130-132.1840. LESSON, R. P. Réflexions ornithologiques. < *Revue Zoologique*, iii, 1840, pp. 97, 98.

Au sujet du genre *Ramphocœnus* Vieill.

1842. LAFRESNAYE, F. DE. [Ueber *Myiothera longirostris* s. *caudacuta*.] < *Oken's Isis*, Bd. xxxv, 1842, p. 56.

Auszug aus d. *Guér. Mag. Zool.* Bd. iii, 1833, pl. 10.

N. B. This title is misplaced. It should be on p. 531, *antèd*, (*Anabatidae*).

1845. HARTLAUB, G. Notes ornithologiques. < *Rev. Zool.*, viii, 1845, pp. 342, 343.

Sur le genre *Myrmornis*, établi par J. Hermann (*Tab. Affn. Anim.*, p. 188), en 1783; il serait donc contemporain avec *Formicarius* Bodd., 1783.

1849. STRICKLAND, H. E. *Holoenemis nævus*, Gmelin. < *Jard. Contrib. Orn.*, 1849, p. 34, pl. xviii.1853. LAFRESNAYE, F. DE. Mélanges ornithologiques. < *Rev. et Mag. de Zool.*, v, 1853, pp. 337-340.

§ 1. La diagnose des cinq espèces du genre *Thamnophilus*,—*T. nævus*, *coerulescens*, *maculatus*, *atripileus* et *tenuipunctatus* (sp. n., p. 239). § 2. Sur l'oiseau de Paradis émeraude, (*Paradisæa apoda*).

1854. SCLATER, P. L. Descriptions of Six New Species of Birds of the Subfamily Formicarine. < *P. Z. S.*, xxii, 1854, pp. 253-255, pll. (Aves) lxx-lxxiv.

*Myrmeciza leucaspis*, p. 253, pl. lxx; *M. margaritata*, p. 253, pl. lxxi; *Hypocnemis melanoleuca*, p. 254, pl. lxxii, f. 2; *H. melanosticta*, p. 254, pl. lxxiii; *Formicivora caudata*, p. 254, pl. lxxiv; *Pithys erythrophrys*, p. 255, pl. lxxii, f. 1, spp. nu.

1855. SCLATER, P. L. Characters of six new species of the genus *Thamnophilus*. < *P. Z. S.*, xxiii, 1855, pp. 18, 19, pll. (Aves) lxxix-lxxxii.

*T. transandeanus*, *T. leucauchen*, pl. lxxiv, *T. albinuchalis*, p. 18; *T. melanotus*, pl. lxxx, *T. nigrocinereus*, pl. lxxxi, *T. cæsius*, pl. lxxxii, p. 19.

1855. SCLATER, P. L. Descriptions of some new Species of Ant-Thrushes (Formicariine) from Santa Fé di Bogota. < *P. Z. S.*, xxiii, 1855, pp. 88-90, pll. (Aves) xciv-xcvi.

*Grallaria hypoleuca*, p. 88; *G. modesta*, pl. xciv; *Chamaeza mollissima*, pl. xcvi; *Formicivora callinota*, pl. xcvi, p. 89; *Dysithamnus semicincerus*, pl. xcvi; *Pyriglena tyrannina*, pl. xcvi, p. 90.

1855. SCLATER, P. L. A Draft Arrangement of the Genus *Thamnophilus*. < *Edinburgh New Philos. Journ.*, new series, i, 1855, pp. 226-249.

Systematic, synonymic, descriptive synopsis of 39 spp., with critical comment, introduced by list of 14 doubtful species which have been referred to the genus. *T. ventralis*, p. 244, sp. n. Other lately new spp. were descr. by the writer, *P. Z. S.*, Jan., 1855, pp. 18, 19, q. v.

1855. SCLATER, P. L. A | Draft Arrangement | of the | Genus *Thamnophilus*, | (Vieillot.) | By | Philip Lutley Selater, M. A., F. Z. S. | — | (From the Edinburgh New Philosophical Journal, New Series, April 1855.) | — | Edinburgh: | printed by Neill and Company. | — | MDCCCLV. 1 vol. 8vo. pp. 26.  
Treating 39 spp. with synonymy, description, criticism, &c., after a general consideration of the Bush-shrikes, real or nominal.
1856. SCLATER, P. L. Descriptions of some new Species of Ant-Thrushes (Formicariinæ) from Santa Fé di Bogota. < *Ann. Mag. Nat. Hist.*, (2), xviii, 1856, pp. 57-59.  
From *P. Z. S.*, June 12, 1855, pp. 88-90, q. v.
1856. SCLATER, P. L. Descriptions of Six New Species of Birds of the Subfamily Formicariinæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 63-65.  
From *P. Z. S.*, Nov. 28, 1854, pp. 253-255, q. v.
1856. SCLATER, P. L. Characters of six new Species of the genus *Thamnophilus*. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 360-362.  
From *P. Z. S.*, Jan. 23, 1855, pp. 18, 19, q. v.
1857. SCLATER, P. L. Characters of some apparently New Species of American Ant-Thrushes. < *P. Z. S.*, xxv, 1857, pp. 46-48.  
*Formicarius trivittatus*, p. 46; *Conopophaga castaneiceps*, *Hypocnemis elegans*, p. 47; *Myrmeciza hemimelæna*, *Formicivora hæmatonota*, p. 48.
1857. SCLATER, P. L. Descriptions of Twelve New or Little-known Species of the South American Family Formicariidæ. < *P. Z. S.*, xxv, 1857, pp. 129-133, pl. (Aves) cxxvi.  
*Grallaria ferrugineipectus*, *G. loricate*, p. 129; *Hypocnemis melanopogon*, *Formicivora melæna*, *F. urosticta* (pl., f. 1), p. 130; *F. brevicauda*, *F. hauzuwelli* (pl., f. 2), *F. cinerascens*, p. 131; *Herpsilochmus pectoralis*, *Dysithamnus xanthopterus*, p. 132; *Thamnophilus melanothorax*, *T. melanocephus*, p. 133, spp. nn.
1857. SCLATER, P. L. Characters of some apparently New Species of American Ant-Thrushes. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, pp. 376-378.  
From *P. Z. S.*, Mar. 10, 1857, pp. 46-48, q. v.
1857. SCLATER, P. L. Descriptions of Twelve New or Little-known Species of the South American Family Formicariidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, pp. 462-467.  
From *P. Z. S.*, June 23, 1857, pp. 129-133, q. v.
1858. SCLATER, P. L. Descriptions of new species of Ant-wrens (Formicivorinæ). < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, pp. 372-374.  
From *P. Z. S.*, Apr. 27, 1858.
1858. SCLATER, P. L. Synopsis of the American Ant-birds (Formicariidæ). Part I. Containing the *Thamnophilinæ*. < *P. Z. S.*, xxvi, 1858, pp. 202-224, pll. (Aves) cxxxix, xli; Part II. Containing the *Formicivorinæ* or Ant-Wrens < *tom. cit.*, pp. 232-254, pll. (Aves) cxli, cxlii; Part III. Containing the Third Subfamily Formicariinæ, or Ant-Thrushes < *tom. cit.*, pp. 272-289, pl. (Aves) cxliii.  
Very full synonymy, characters, and distribution of all the species, with list of 22 spp. not recognized by the author. *Thamnophilus amazonicus*, p. 214, pl. cxxxix; *Pyrgiptila*, n. g., p. 220; *Myrmotherula* (g. n.) *multostriata*, p. 234, pl. cxli; *Formicivora erythrocerca*, p. 240, pl. cxlii; *Cercomacra* (n. g., p. 244) *nigricans*, p. 245; *Pyrgilena maculicauda*, p. 247; *Hypocnemis schistacea*, p. 252; *Gymnocichla*, n. g., p. 274; *Myrmelastes* (g. n., p. 274) *plumbcus*, p. 274, pl. cxliii; *M. nigerimus*, p. 275; *Grallaricula*, g. n., p. 283, figg., spp. nn.
1858. SCLATER, P. L. On Two Species of Ant-birds in the Collection of the Derby Museum, at Liverpool. < *P. Z. S.*, xxvi, 1858, pp. 540, 541.  
*Myrmeciza exsul*, p. 540, sp. n. The other is *Dysithamnus olivaceus*.
1859. SCLATER, P. L. On Two Species of Ant-birds in the Collection of the Derby Museum, at Liverpool. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, p. 151.  
From *P. Z. S.*, Nov. 23, 1858, pp. 540, 541, q. v.

1859. SCLATER, P. L. On two new species of American Ant-Thrushes. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, p. 239.  
From *P. Z. S.*, May 11, 1858, pp. 274, 275—extracted from his full paper there, pp. 272-289, q. v.
1860. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Myiarchus and Phlogopsis. < *Ann. Lyc. Nat. Hist. New York*, vii, 1860, pp. 284-286.  
*M. panamensis*, p. 284; *Ph. McLeannani*, p. 285.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
The Formicarians here described are *Dysithamnus strigiceps*, p. 130; *D. rufiventris*, p. 131; *Myrmotherula albigula*, p. 131; *Myrmeciza stictoptera*, p. 132.
1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.  
The Formicarian is *Thamnophilus leucopygus*, p. 401, Panama.
1868. SCLATER, P. L. Descriptions of some New or little-known Species of Formicarians. < *P. Z. S.*, xxxvi, 1868, pp. 571-575, pl. xliii, woode.  
*Thamnophilus nigriceps*, *Neotantes* (n. g.) *niger*, p. 571, woode.; *Hypocnemis hypoxantha* (pl. xliii), *Heterocnemis simplex*, p. 573; *Conopophaga gutturalis*, p. 574, spp. nn., with list of 37 spp. of the family. In the author's collection 178 species of the family were represented by 381 specimens.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanageridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Scolopaciidae. < *P. Z. S.*, xxxvii, 1869, pp. 416-420.  
The Formicarians are *Gymnocichla chiroleuca*, p. 417, and *Grallaria princeps*, p. 418; with a list of six spp. of the latter genus.
1872. CABANIS, J. [Die Thamnophilen-Gattung Dialectes, nebst 2 neuen Arten (D. semifasciatus, D. granadensis).] < *J. f. O.*, xx, 1872, pp. 233, 234.
1874. PELZELN, A. V. [Letter relating to "Pithys rufigula Bodd" (cf. *Ibis*, 1873, 113); = *Phæornis obscura* (Gm.).] < *Ibis*, 3d ser., iv, Oct., 1874, pp. 461, 462.
1877. SCLATER, P. L. Description of two new Ant-birds of the Genus Grallaria, with a List of the known Species of the Genus. < *Ibis*, 4th ser., i, Oct., 1877, pp. 437-451, pll. viii, ix.  
Many important additions to the group as given by him in *P. Z. S.*, 1858, pp. 202, 232, 272; see also *P. Z. S.*, 1868, p. 571. In 1842, Lafresnaye had given 9 spp.: in 1873, in the *Nomenclator Av. Neotrop.*, the author and Salvin gave 20. Here are 27 spp.; among them *G. haplota*, p. 442, Venezuela, and *G. flavotincta*, p. 445, pl. ix, Antioquia, spp. nn. *G. ruficeps* figured on pl. viii. These are all treated with synonymy, diagnosis, habitat, and comment: they are divided into 4 sections—*Grallarise squamigeræ*, *reges*, *uniformes*, *flammulatæ*. The genus is made to cover the following names: *Myioturdus* and *Myiotrichus* Boie, *Calobathris* and *Codonistris* Gloger, (*Handb. u. Hülfsb. d. Nat.*, 1842, pp. 304 and 303), and *Hypsibemon* Cab.

## Tyrannidæ.

1817. GEOFFROY SAINT-HILAIRE, ÉT. Description d'un oiseau du Brésil, sous le nom de Tyran Roi. < *Mém. du Mus. d'Hist. Nat.*, iii, 1817, pp. 275-278.  
Le Tyran huppé de Cayenne, pl. enlum., 289, devenu aujourd'hui la *Muscivora regia* (Gm.) ou *coronata* (Müll.).
1821. MAXIMILIAN, —. Ueber den Fliegenfänger mit verticalen Schwanz-Federn. *Muscicapa Alektor*. < *Oken's Isis*, Jahrg. v, 1821, pp. 647-649.  
*Alectrurus tricolor*, Vieill. Gal. Ois., p. 132.
1824. THUNBERG, C. P. De Genere Megarhyncho. Præs. C. P. Thunberg, Resp. O. A. Schærström, Gestr. Hels. Upsalæ, 1824. 4°. pp. 6.  
Opus ipsud nunquam vidi. Confer quod de hac parum cognita dissertatione edidit F. Heine, *J. f. O.*, 1859, pp. 337-346.
1826. SWAINSON, W. On the Tyrant Shrikes [Tyrannidæ] of America. < *Quart. Journ. Sci. Lit. and Arts, Roy. Inst.*, xx, 1826, pp. 267-285. (*Féruss. Bull.*, 2° sect. xiii, 1828, pp. 433-435. *Isis*, 1833, pp. 935, 936.)  
Not seen.
1828. LESSON, [R. P.] Sur les Pie-Grièches tyrans [Tyrannidæ] de l'Amérique; par William Swainson. . . . < *Féruss. Bull.*, 2° sect., xiii, 1828, pp. 433-435.  
Précis de cette monographie: *Edinb. Journ. Sci.*, No. 40, pp. 267-285.
1833. SWAINSON, [W.] Swainson über die Tyrannen-Würger in America. < *Oken's Isis*, Jahrg. 1833, pp. 935, 936.  
Auszug aus d. *Quart. Journ. Sci. Roy. Inst.*, xx, 1826, pp. 267-285.  
Diagnostik von 18 Arten *Tyrannus*: *T. sulphuratus*, *pitangua*, *audax*, *crinitus*, *calcaratus* n., *crassirostris* n., *vociferans* n., *intrepidus*, *griseus*, *crudelis* n., *leucotis* n., *cinereus*, *rufescens* n.?, *ambulans* n., *nengeta* Marc., *savana*, *longipennis* n.
1837. LAFRESNAYE, F. DE. Observations sur le Roitelet omnicolor, et sur le mélanisme ou la variété noire chez les Oiseaux de proie. (Mém. Soc. Acad. de Falaise, 1835.) < *L'Institut*, v, No. 217, 1837, pp. 230, 231.  
Pas vues moi-même; le titre tiré de la *Bibl. de Carus* et Engelm.—Voir *Isis*, 1837, pp. 842, 843. (*Regulus omnicolor* Vieill. = *R. azaræ* Licht. = *Cyanotis azaræ* Gray.)
1837. LA FRESNAYE, [F.] DE. *Regulus unicolor* [sc. omnicolor] aus Brasilien. < *Oken's Isis*, Bd. xxx, 1837, pp. 842, 843.  
Auszug aus: *L'Institut*, 1837, Nr. 217.
1843. BAIRD, W. M., and BAIRD, S. F. Descriptions of two Species, supposed to be new, of the Genus *Tyrannula* Swainson, found in Cumberland County, Pennsylvania. < *Proc. Acad. Nat. Sci. Phila.*, i, 1843, pp. 283-286.  
*T. flaviventris*, p. 283; *T. minima*, p. 284.—This is the first scientific paper ever published by S. F. Baird.
1844. BAIRD, W. M., and BAIRD, S. F. Descriptions of two species, supposed to be new, of the genus *Tyrannula*, (Swainson,) found in Cumberland County, Penn. < *Sillim. Am. Journ. Sci.*, xlv, 1844, pp. 273-276.  
*T. flaviventris*, *T. minima*; already described, *Proc. Phila. Acad.*, i, 1843, pp. 283-286.
1844. LAFRESNAYE, F. DE. Mélanges ornithologiques. [iii.] < *Revue Zoologique*, vii, 1844, pp. 321-325.  
Sur le *Tyrannus monachus* du docteur Hartlaub.
1844. LAFRESNAYE, F. DE. Sur une nouvelle espèce d'oiseau de la Nouvelle Grenade décrite par M. Hartlaub sous le nom de *Vireo versicolor*, dans la Revue de 1843, P. 289. < *Revue Zoologique*, vii, 1844, pp. 46, 47.  
Considérée comme appartenant au genre *Pachyrhynchus* Sw., *Pachyrampus* Gray. Note sur l'adoption par M. Hartlaub du genre *Myiobius* Gray.
1844. [LAFRESNAYE, F. DE.] G. Conophaga. Vieill. C. ruficeps Lafr. < *Guér. Mag. de Zool.*, 2° ser., année 1844, Oiseaux, pp. 1, 2, pl. 51.  
*Todirostrum ruficeps*, Lafr., *R. Z.*, 1843, p. 291 (*Euscarthmus*).

1846. LAFRESNAYE, F. DE. Essai d'une monographie du genre *Todirostre* de Lesson (Traité d'ornit.). < *Revue Zoologique*, ix, 1846, pp. 360-365.  
13 esp.; *Todirostrum flavifrons*, *T. plumbeiceps*, 361; *T. furcatum*, *T. palpebrosum*, p. 362; *T. spiciferum*, *T. squamærista*, p. 363, spp. nn.
1847. GAMBEL, W. [Exhibition of an albino specimen of the Wood Pewee (*Muscicapa* (*i. e.*, *Contopus*) *virens*.)] < *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, p. 278.
1848. LAFRESNAYE, F. DE. Sur les genres *Attila*, Lesson, et *Dasycephala* Swainson. < *Revue Zoologique*, xi, 1848, pp. 39-48.  
*Attila*, 6 spp. *A. flammulatus*, p. 47, sp. n.
1849. [JARDINE, W.] *Taenioptera alpina*, Jardine [n. sp.]. < *Jard. Contrib. Orn.*, 1849, p. 47, pl. xxi.
1850. STRICKLAND, H. E. *Elenia linteata*, Strickland [sp. n.]. < *Jard. Contrib. Orn.*, 1850, p. 121, pl. lxiii.
1851. LAFRESNAYE, F. DE. Sur deux nouvelles espèces de Tyrans d'Amérique. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 470-476.  
*Saurophagus rufipennis*, p. 471; *Scaphorhynchus mexicanus*, p. 473.
1851. SCLATER, P. L. On two new species of Birds of the genus *Taenioptera*. < *P. Z. S.*, xix, 1851, pp. 193, 194, pll. (Aves) xli, xlii.  
*T. erythropygia*, pl. xli, *T. striaticollis*, pl. xlii; p. 193.
1852. LAWRENCE, G. N. Description of a new species of *Tyrannus* [cassini]. < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 39, 40, pl. iii, fig. 2. (Read June 3, 1850.)
1852. LAWRENCE, G. N. Descriptions of New Species of Birds, of the Genera . . . *Tyrannula* [cinerascens, p. 121] Swainson, . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 121-123. (Read Sept. 8, 1851.)  
Other spp. here descr. are a *Toxostoma* and a *Plectrophanes*: title is to be found in full in N. Am. part of this Bibl.
1852. STRICKLAND, H. E. V.—On Two Species of *Todirostrum*. < *Jard. Contrib. Orn.*, 1852, pp. 41, 42, pl. lxxxv.  
*T. granadense* Hartl., ?—*T. multicolor*, sp. n.
1853. DES MURS, O. Notice sur les *Lanius pitangua* et *sulphuratus* de Linné. < *Rev. et Mag. de Zool.*, v, 1853, pp. 3-8.  
*L. pitangua* L. (*P. E.* 212) = *Scaphirhynchus pitangua* Strickl. *L. sulphuratus* Gm. (*P. E.* 249 et 296) = *Saurophagus sulphuratus* Sw. Cf. *op. cit.*, p. 63.
1853. KAUP, J. [J.] Uebersicht des Genus *Cnipolegus*, Boie. < *J. f. O.*, i, 1853, pp. 29, 30.  
Behandelt 5 Arten, nebst Synonymik und Artkennzeichen. Cf. *J. f. O.*, 1859, pp. 329-337.
1853. LAFRESNAYE, F. DE. [Note sur l'article de M. Des Murs (*R. M. Z.*, Jan., 1853, p. 3,) sur les *Lanius pitangua* et *sulphuratus* de Linné.] < *Rev. et Mag. de Zool.*, v, 1853, pp. 63, 64.
1853. SCLATER, P. L. On two new species of Birds of the genus *Taenioptera*. < *Ann. Mag. Nat. Hist.*, 2d ser., xii, 1853, pp. 213, 214.  
From *P. Z. S.*, June 10, 1851, pp. 193, 194.
1855. SCLATER, P. L. On a New Species of the Genus *Todirostrum* of Lesson [*T. nigriceps*]. < *P. Z. S.*, xxiii, 1855, pp. 66, 67, pl. (Aves) lxxxiv.  
With synopsis of 5 other species. The second figure of the plate is *T. spiciferum*.
1856. SCLATER, P. L. On a New Species of the Genus *Todirostrum* of Lesson. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, p. 428.  
From *P. Z. S.*, March 27, 1855, pp. 66, 67.
1857. SCLATER, P. L. On Three New Species of the genus *Todirostrum*. < *P. Z. S.*, xxv, 1857, pp. 82-84, pl. (Aves) cxxv.  
*Todirostrum calopecterum*, p. 82; *T. capitale*, *T. exile*, p. 83. List of 16 other spp. known to him, and of 6 more which rest on other good authority.
1857. SCLATER, P. L. On Three New Species of the genus *Todirostrum*. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, pp. 382, 383.  
From *P. Z. S.*, May 12, 1857, pp. 82-84.



1857. SCLATER, P. L. Description of a new species of *Pachyrhamphus* [albo-griseus]. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, p. 398.  
From *P. Z. S.*, April 28, 1857, p. 78.—N. B. This title should be under *Cotingidæ*, p. 590.
1857. SCLATER, P. L. On a [lately] new Genus of Birds from Mexico. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, p. 470.  
From *P. Z. S.*, July 14, 1857, p. 203; the bird is *Camptostoma imberbe*, the description of which is extracted to form a special paper, from a paper of wider scope, occupying pp. 201-207 of the *P. Z. S.*
1858. BRYANT, H. [Remarks on the Habits of *Muscicapa* (i. e., *Empidonax*) *acadia* and *M. flaviventris*.] < *Proc. Boston Soc. Nat. Hist.*, vi, 1858, p. 430.
1858. SCLATER, P. L. On a new species of *Platyrhynchus* [Coronatus] from the Rio Napo, in the Republic of Ecuador. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, p. 316.  
From *P. Z. S.*, Jan. 26, 1858, p. 71.
1859. HEINE, F. Eine wenig bekannte Dissertation Thunberg's „De genere Megarhyncho.“ < *J. f. O.*, vii, 1859, pp. 237-346.  
Very complete commentary. The chars. of Thunberg's 8 spp. are reproduced, followed by a bibliography of the genus and of *M. pitangua*, *M. chryscephalus* and *M. mexicanus*.
1859. HEINE, F. Das Genus *Cnipolegus* Boie. < *J. f. O.*, vii, 1859, pp. 329-337.  
Full synopsis of 6 spp. *C. anthracinus*, "Cab." p. 334, sp. n. Cf. *J. f. O.*, 1853, pp. 29, 30.
1859. SCLATER, P. L. Descriptions of New Species of the American family Tyrannidæ. < *P. Z. S.*, xxvii, 1859, pp. 40-46.  
*Attila citriniventris*, p. 40, with synopsis of 7 spp. of the genus; *Myiodynastes luteiventris* Bp., *Myiodynastes nobilis*, p. 42, with list of 6 spp. of *Myiodynastes*; *Contopus mesoleucus*, *C. sordidulus*, p. 43, with list of 6 spp. of *Contopus*; *Mitrephorus phæocercus*, p. 44; *Pyrocephalus mexicanus*, p. 45; *Elania placens*, *Mionectes assimilis*, p. 46.
1859. SCLATER, P. L. A List of the Tyrant-birds [Tyrannidæ] of Mexico, with description of some new species. < *Ibis*, i, 1859, pp. 436-445, pl. xiv.  
Classification and position of the group; synonymic and geographical synopsis of 43 spp. *Empidonax brachytarsus*, p. 441; *Cyclorhynchus cinereiceps*, p. 443; *Todirostrum schistaceiceps*, spp. nn. Pl. represents *Camptostoma imberbe* (fig. 1), and *Mitrephorus phæocercus* (fig. 2).
1860. SCLATER, P. L. Description of a New Tyrant-bird of the genus *Elainea* [E. riisii] from the Island of Saint Thomas, West Indies. < *P. Z. S.*, xxviii, 1860, pp. 313, 314.
1860. SCLATER, P. L. Description of a New Tyrant-bird of the genus *Elainea* [E. riisii], from the Island of Saint Thomas, West Indies. < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 439, 440.  
From *P. Z. S.*, June 12, 1860, pp. 313, 314.
1860. SCLATER, P. L. Descriptions of New Species of the American Family Tyrannidæ. < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, pp. 422-424.  
From *P. Z. S.*, Jan. 25, 1859, pp. 40-46, q. v.
1861. HEINE, F. Ueber *Myiozetetes icterophrys* n. sp. < *J. f. O.*, ix, 1861, pp. 197, 198.
1861. PHILIPPI, [R. A.], and LANDBECK, [L.] [Noticias sobre cuatro especies del género *Pepoaza* d'Orb. (*Agriornis* Gould), i sobre el modo de vivir de las dos especies chilenas de *Dasycephala*.] < *Anal. Univ. Chile*, xix, Nov., 1861, pp. —-652.  
The above is a putting together of two subheads of a paper of wider scope, describing various new Peruvian birds, among them *Dasycephala albicauda*, p. 618. The title is introduced here on account of its special bearing on *Tyrannidæ*.
1861. SCLATER, P. L. Index generis *Elaineæ* ex familia Tyrannidarum additis novarum specierum diagnosibus. < *P. Z. S.*, xxix, 1861, pp. 406-408, pl. xli.  
Index *Elaineæ* generis 17 specierum, adjectis synonymis, locis. *E. semipagana*, p. 406; *E. pallatangæ* (tab. lxi); *E. subplacens*, p. 407; *E. implacens*, p. 408, spp. nn.
1862. SCLATER, P. L. On Two New Species of Tyrant-birds from Ecuador. < *P. Z. S.*, xxx, 1862, p. 113.  
*Ochthoëa citrinifrons*, *Mecocerculus gratusus*.

1862. SCLATER, P. L. On Two New Species of Tyrant-birds from Ecuador. < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, p. 313.  
From *P. Z. S.*, Mar. 25, 1862, p. 113, q. v.
1864. PHILIPPI, R. A., and LANDBECK, L. De las Muscisaxicolas Sud-Americanas. < *Anal. Univ. Chile*, xxv, Set. de 1864, pp. 418-439.  
This is a subhead of an article of more extended scope. It appears in German in *Arch. f. Naturg.*, 1865, Bd. i, pp. 74-106, q. v. The authors treat of 15 spp. of the genus, among which *M. cinerea*, p. 422; *M. rubricapilla*, p. 429; *M. flavivertex*, p. 434; and *M. nigricans*, p. 436, are described as new. Cf. Cab., *J. f. O.*, 1860, p. 249, note; Sch., *Ibis*, 1865, p. 59.
1865. BRYANT, H. [Remarks on the occurrence of *Tyrannus verticalis* at "Plympton," Me. (i. e., Pembroke, Me.), in October.] < *Proc. Boston Soc. Nat. Hist.*, x, 1865, p. 96.
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridæ, Vireonidæ, Tyrannidæ, and Trochilidæ, with a note on *Myiarchus Panamensis*. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 37-39.  
*Myiarchus venezuelensis*, p. 38.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
The Tyrannines here described are *Empidonax flavescens*, p. 133, and *Contopus lugubris*, p. 134.
1865. PHILIPPI, R. A., and LANDBECK, L. Monographie der südamerikanischen Muscisaxicolinen. < *Arch. f. Naturg.*, 1865, Bd. i, pp. 74-106.  
This is a subtitle of an article of more extended scope, which originally appeared in Spanish in *Anales Univ. Chile*, xxv, 1864, pp. 418-439, q. v. The 15 species treated are *MM. albifrons*, *cinerea*, *maculirostris*, *mentalis*, *rubricapilla*, *rufiventris*, *flavivertex*, *nigrifrons*, *striaticeps*, *frontalis*, *capistrata*, *brunnea*, *flavinucha*, *albitoria*, *albimentum*.  
Among them are four species from the Cordilleras of Chili not described by previous authors, namely: *M. cinerea*, p. 80; *M. rubricapilla*, p. 90; *M. flavivertex*, p. 98; and *M. nigrifrons*, p. 101.—Cf. *Ibis*, 1866, pp. 56-59, and *Zool. Rec.* for 1865, pp. 106, 107.
1866. BURMEISTER, H. [Extract from a letter relating to certain Tyrannidæ of Buenos Ayres.] < *P. Z. S.*, xxxiv, 1866, p. 2.  
List of ten or twelve species.
1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidæ, Formicariidæ, Tyrannidæ and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.  
The Tyrant is *Empidonax pectoralis*, p. 402, Panama.
1866. SCLATER, P. L. Note on the Species of the genus *Muscisaxicola*. < *Ibis*, 2d ser., ii, 1866, pp. 56-59.  
With special reference to those described by Philippi and Landbeck (*Arch. Naturg.*, 1865, pp. 74-109), making some important criticisms, and giving the diagnoses of 9 species of the genus.
1868. CABANIS, J. Neue Arten der südamerikanischen Gattung *Empidochanes*, im Berliner Museum. < *J. f. O.*, xvi, 1868, pp. 194-196.  
*E. eulæri*, p. 195; *E. altirostris*, *E. argentinus*, p. 196.
1869. HUDSON, W. H. [Extract from a Letter respecting *Lichenops perspicillatus*.] < *P. Z. S.*, xxxvii, 1869, pp. 432, 433.
1869. RIDGWAY, R. A True Story of a Pet Bird. < *Am. Nat.*, iii, 1869, pp. 309-312.  
Account of the habits of *Tyrannus verticalis* in semi-domestication.
1869. SCLATER, P. L. Note on the species of the Genus *Hirundinea*, belonging to the family Tyrannidæ. < *Ibis*, 2d ser., v, 1869, pp. 195-198, pl. v.  
Synonymatic, diagnostic, critical; 3 spp. are discriminated: *H. ferruginea* (Gm.), *H. bellinosa* (V.) and *H. rupestris* (Max.). Pl. v, fig. 1, *H. bellicosa*; fig. 2, *H. ferruginea*; fig. 3, *H. rupestris*.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanageridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopaciidæ. < *P. Z. S.*, xxxvii, 1869, pp. 416-420.  
The new Tyrant is *Contopus ochraceus*, p. 419.

1870. SCLATER, P. L. Descriptions of three apparently new Species of Tyrant-birds of the Genus *Elainea*, with Remarks on other known Species. < *P. Z. S.*, xxxviii, 1870, pp. 831-835, woodcc.  
*Elainea gigas*, p. 831, fig. 1, p. 832; *E. fallax*, p. 832, fig. 2, p. 833; *E. pudica*, p. 833, fig. 3, p. 834. With synopsis of 16 spp. of the genus.
1871. LAWRENCE, G. N. Description of New Species of Birds of the Families Troglodytidae and Tyrannidae. < *Proc. Acad. Nat. Sci. Phila.*, 1871, pp. 233-236.  
 The Tyrannines here described are: *Myiozetetes grandis*, p. 234, Tumbes, Peru; *Empidonax atrirostris*, p. 234, Venezuela?; and *Myiarchus yucatanensis*, p. 235, Yucatan (= *M. mexicanus* Lawr., *Ann. Lyc. N. Y.*, ix, p. 202, nec Kaup).
1871. SCLATER, P. L. Notes on the Types of *Tyrannula mexicana* of Kaup and *Tyrannula barbirostris* of Swainson. < *P. Z. S.*, xxxix, 1871, pp. 84, 85.  
 1. *T. mexicana*, Kaup, *P. Z. S.*, 1851, 51 = *Myiarchus cooperi* Bd., *B. N. A.*, 1858; *M. mexicanus* Bd. = *M. cinerascens* Lawr.—2. *Tyrannula barbirostris* Sw., *Phil. Mag.*, 1827, p. 367, is West Indian, not Mexican, and = *Blacicus tristis* of Gosse.
1871. SCLATER, P. L. Remarks on the Species of the Genera *Myiozetetes* and *Conopias*, belonging to the family Tyrannidae. < *P. Z. S.*, xxxix, 1871, pp. 751-756.  
 8 spp. of *Myiozetetes*, 3 of *Conopias*, the former quite fully treated.
1872. ABBOTT, C. C. Occurrence of the Scissor-tail Flycatcher [*Milvulus forficatus*] in New Jersey. < *Am. Nat.*, vi, 1872, p. 367.
1872. BREWER, T. M. [Occurrence of *Empidonax pusillus* in Wisconsin.] < *Proc. Boston Soc. Nat. Hist.*, xiv, 1872, pp. 303, 304.
1872. COUES, E. Occurrence of Couch's Flycatcher [*Tyrannus melancholicus couchi*] in the United States. < *Am. Nat.*, vi, 1872, p. 493.
1872. COUES, E. Studies of the Tyrannidae.—Part I. Revision of the Species of *Myiarchus*. < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, pp. 56-81.  
 No more published.—Monographic; giving synonymy and characters of 9 spp. and 6 subspp., with much criticism. The author enters at some length into the general characters of the group, laying down several formal propositions applicable to the case, as well as the arbitrary rules which may govern one in the distinguishing between species, varieties, and synonyms.  
 "With *Myiarchus* are united *Kaupornis*, *Blacicus*, and *Myionax*. Five supposed species are unknown to the author, who gives the history and synonymy of the remaining nine:—1. *M. validus*; 2. *M. crinitus*, with three varieties, *a. crinitus*, *β. irritabilis* = *erythrocerus*, *Sci. & Salv. (Zool. Rec.*, iii, p. 83), *mexicanus* and *yucatanensis*, Lawr., *γ. cooperi* (*Zool. Rec.*, viii, p. 58); 3. *M. cinerascens*; 4. *M. tyrannulus* = *panamensis* and *venezuelensis*, Lawr. (*Zool. Rec.*, ii, p. 107); 5. *M. phaeocephalus*; 6. *M. lawrencii* = *rufimarginatus*, and *nigricapillus*, Cab.; 7. *M. nigriceps*; 8. *M. stolidus*, with three varieties, *a. stolidus* = *dominicensis*, Bryant, *β. phæbe* = *lucaysiensis* and *bahamensis*, Bryant, *γ. antillarum*; 9. *M. tristis*." (From *Zool. Rec.*)
1872. HUDSON, W. H. Notes on the Habits of the Churinche (*Pyrocephalus rubineus*). < *P. Z. S.*, Nov. 5, 1872, pp. 808-810.  
 An interesting biography.
1872. LOCKWOOD, S. The Kingbird [*Tyrannus carolinensis*] and Bee Martin. < *Am. Nat.*, vi, 1872, pp. 769, 770.  
 Occupation by *Tyrannus carolinensis* of a nest of *Progne subis*.
1872. SCLATER, P. L. [Exhibition of a Nest of the Tijereta (*Milvulus tyrannus*), containing eggs of *Molothrus bonariensis*.] < *P. Z. S.*, 1872, pp. 862, 863.
1873. A[LLEN], J. A. Revision of the American or Tyrant Flycatchers. < *Am. Nat.*, vii, 1873, pp. 35-38.  
 Extended review of E. Coues's "Studies of the Tyrannidae, Part I" (*Proc. Acad. Nat. Sci. Phila.*, 1872, pp. 56-81).
1873. BENDIRE, C. Nest, Eggs and Breeding Habits of the Vermilion Flycatcher (*Pyrocephalus rubineus* var. *Mexicanus*). < *Am. Nat.*, vii, 1873, pp. 170, 171.
1873. GENTRY, T. G. Observations on Nests of *Sayornis fuscus*. < *Proc. Acad. Nat. Sci. Phila.*, xxv, 1873, pp. 292-294.  
 An extended account of deviations from the usual style of nest-building.

1873. HERSEY, J. L. Bees and Kingbirds [*Tyrannus carolinensis*]. < *Am. Nat.*, vii, 1873, p. 434.  
Note from the *American Bee Journal*, to the effect that *Tyrannus carolinensis* eats bees.
1873. HERSEY, J. L. Bees and King Birds [*Tyrannus carolinensis*]. < *Am. Sportsman*, ii, 1873, p. 166; see also *ibid.*, iii, 1873, p. 51.  
From *American Bee Journal*; *Tyrannus carolinensis* eats the drone live-bees.
1873. MERRIAM, C. H. The Olive-sided Flycatcher [*Contopus borealis*, in New York]. < *Am. Nat.*, vii, 1873, p. 750.  
Notes on habits; continued. *op. cit.*, viii, 1874, p. 309.
1873. SCLATER, P. L. Note on the Genus *Ornithion* of Hartlaub. < *P. Z. S.*, 1873, pp. 576-578.  
Synopsis of 4 spp. of this genus, with which *Camptostoma* Sel. and *Myiopatis* Cab. are considered synonymous. See especially Lawrence, *Ibis*, 1876, p. 497.
1874. BREWER, T. M. The Olive-sided Fly Catcher [*Contopus borealis*]. < *Am. Sportsman*, iv, 1874, p. 198.  
Denies the allegation that it is a "rare" species in New England.
1874. CABOT, J. E. The Olive-sided Flycatcher [*Contopus borealis*]. < *Am. Nat.*, viii, 1874, p. 240.  
Memorandum of the original discovery of the species in Massachusetts.
1874. DEANE, R. Olive-sided Flycatcher [*Contopus borealis*]. < *Am. Nat.*, viii, 1874, pp. 308-309.  
Field-notes.
1874. EDITORIAL. [Alleged occurrence of *Tyrannus dominicensis* on Long Island.] < *Forest and Stream*, ii, July 23, 1874, p. 373.
1874. HALL, F. W. The Myiarchus [*i. e.*, *Myiarchus*] *crinatus*. < *Forest and Stream*, iii, Dec. 3, 1874, p. 261.
1874. LAWRENCE, G. N. Descriptions of Two New Species of Birds of the Families *Tanagridæ* and *Tyrannidæ*. < *Ann. Lyr. Nat. Hist. N. Y.*, xi, July, 1874, pp. 70-72.  
The *Tyrannine* here described is *Myiarchus flammulatus*, p. 71, from Tehuantepec, Mexico.
1874. MERRIAM, C. H. The Olive-sided Flycatcher [*Contopus borealis*]. < *Am. Nat.*, viii, 1874, p. 309.  
Further (*op. cit.*, vii, 1873, 750) field-notes.
1874. MORRIS, R. T. The Crested Fly-catcher [*Myiarchus cinerascens*]. < *Forest and Stream*, ii, May 14, 1874, p. 213.
1875. BAIRD, S. F. [Note of the occurrence of *Tyrannus verticalis* in Maryland, near Washington, D. C.] < *Ann. Rep. Smithsonian Inst. for 1874, 1875*, p. 32.  
The original notice of the occurrence. The capture was made by P. L. Jouy; see his Catalogue of the Birds of the District of Columbia, in *Field and Forest*, ii, No. 9, 1877, pp. 154-156, and No. 10, 1877, pp. 178-181.
1876. "BRIDGEPORT." Cats vs. Birds. < *Rod and Gun*, vii, Feb. 19, 1876, p. 329.  
King-birds whipping a cat. Compare p. 294.
1876. HENSHAW, H. W. On two *Empidonax*, *traillii* and *acadicus*. < *Bull. Nutt Ornith. Club*, i, No. 1, Apr., 1876, pp. 14-17.  
With special reference to differences in their geographical distribution, nests, and eggs. The subject is well handled, and the author's remarks have been established by later experiences.  
S. F. Baird was the first to fix the species of our smaller Flycatchers with any satisfactory degree of precision. This he did in 1858; since which time, no material modification has been established among the N. Am. species of *Empidonax*. The history, however, of the habits of these birds, especially of their geographical distribution, nesting, and eggs, has been much involved. Little reliance can be placed on the accounts given by Wilson, Nuttall and Audubon; and even since 1858, there have been several mistakes made in the writings of Allen, Brewer and Coues, with reference to the distribution of *acadicus* in New England, and to the nests and eggs of all four of the eastern species. Late papers in the *Nuttall Bulletin*, however, have at length cleared up the confusion; and no one should presume to write on the habits of birds of this genus without consulting the present paper by Henshaw, and the several others in the *Nuttall Bulletin* by Purdie, Osborne, Batchelder and Conca, cited beyond in this bibliography.

1876. LAWRENCE, G. N. Note on *Muscipeta incanescens*, Wied. < *Ibis*, 3d ser., vi, Oct., 1876, pp. 497, 498.  
Wied's type, now in Amer. Mus. Nat. Hist. New York, examined and found to be very different from *Ornithion imberbe*, which Sclater (*P. Z. S.*, 1873, p. 576) had united with it.
1876. PURDIE, H. A. The Nest and Eggs of Traill's flycatcher [*Empidonax trailli*], as observed in Maine. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, pp. 75, 76.
1877. "G. G. H., JR." The great crested flycatcher. *Myiarchus crinitus*—Calamis [*i. e.*, Cabanis]. < *Forest and Stream*, ix, Aug. 23, 1877, p. 44.  
Observations on nidification.
1877. "GUYON" [ ]. Migration of Kingbirds [*Tyrannus carolinensis*]. < *Forest and Stream*, viii, May 17, 1877, p. 224.
1877. JUDSON, E. Z. C. A Plea for the King Bird [*Tyrannus carolinensis*]. < *Forest and Stream*, ix, Aug. 9, 1877, p. 5.  
Protection afforded to farm-yard by *Tyrannus carolinensis* through its enmity to hawks.
1877. [SCLATER, P. L., and SALVIN, O.] Lawrence on a new *Pitangus* [*gabbi*]. < *Ibis*, 4th ser., i, Oct., 1877, p. 481.  
Notice of the paper in *Am. Lye. N. Y.*, xi, Nov., 1876, pp. 288-290.
1877. WHITE, W. H. King Birds [*Tyrannus carolinensis*] and Bees. < *Forest and Stream*, ix, Oct. 4, 1877, p. 186.  
Kingbirds insatiable devourers of honey-bees.
1878. ALLEN, J. A. Late Capture of the Yellow-bellied Flycatcher [*Empidonax flaviventris*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 101, 102.
1878. ANON. The fork-tailed fly-catcher. *Milvulus Tyrannus* (L.) Bp. < *Familiar Science and Fauciers' Jour.*, i (new series), Feb., 1878, p. 30. Illustrated.
1878. [FITCH, E. H.] The Wood Pewee [*Contopus virens*]. < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 2, May, 1878; cut.  
Popular biography, with a figure.
1878. INGERSOLL, E. The Linnean Society. < *The Country*, i, Apr., 20, 1878, p. 371, See vol. ii, p. 9.  
Secretary's report of meeting: many facts concerning nidification of *Tyrannidæ*.
1878. INGERSOLL, E. Linnean Society. < *The Country*, ii, Apr. 27, 1878, p. 9.  
Report of meeting, and letter from H. A. Purdie concerning breeding of *Empidonax trailli*.
1878. [INGERSOLL, E.] Linnean Society. < *Forest and Stream*, x, Apr. 25, 1878, p. 216. See p. 255.  
Report of proceedings, and letter from H. A. Purdie in regard to breeding of *Empidonax trailli*.
1878. MERRILL, J. C. The Occurrence of *Myiarchus crinitus* var. *erythrocerus*, Sclat., at Fort Brown, Texas. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 99, 100.  
With an editorial note respecting priority of the discovery; and a note by T. M. Brewer on the eggs of the same bird.
1878. NICHOLAS, G. L. Perseverance of Pewees [*Sayornis fuscus*] in nest-building. < *Forest and Stream*, xi, Dec. 12, 1878, p. 379.  
Nest of a pair of *Sayornis fuscus* rebuilt seven times in the same place in one season.
1878. OSBORNE, S. D. The Nesting of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 187, 188.  
Confirming H. A. Purdie's description, *op. tom. cit.*, pp. 166-168, both as to situation and structure of the nest, and as to the eggs being spotted.
1878. PECKHAM, B. J. Nesting of *Contopus virens*. < *The Oölogist*, iv, No. 5, July, 1878, p. 34.
1878. PURDIE, H. A. Trail's Flycatcher [*Empidonax trailli*]. < *Forest and Stream*, x, May 9, 1878, p. 255. See p. 216.

1878. PURDIE, H. A. The Nest and Eggs of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 166-168.

Important, being a careful description of an authentic nest and eggs. Much error and uncertainty had prevailed on this subject, even among the leading writers. Both Brewer and Coues had stated the eggs to be white, whereas they are well spotted.

1878. SCLATER, [P. L.] [Remarks on Exhibition of the type of *Dicrurus marginatus* Blyth, Ibis, 1865, p. 46, = *Muscipipra vetula* Licht.] < *P. Z. S.*, Mar. 19, 1878, p. 339.

1879. A[LLEN], J. A. Brewer on the Nests and Eggs of Empidonaces. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 232.

Notice of the paper in *Proc. Nat. Mus.*, ii, Apr., 1879, pp. 1-10.

1879. ANON. Nest and Eggs of *Empidonax traillii*. < *The Oölogist*, iv, No. 11, June, 1879, pp. 85, 86.

1879. BATCHELDER, C. F. Nesting of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 241, 242.

Two cases detailed, with full description of the nests and eggs.

1879. BREWER, T. M. Notes on the Nests and Eggs of the eight North American Species of Empidonaces. < *Proc. U. S. Nat. Mus.*, ii, Apr. 29, 1879, pp. 1-10.

Measurements of all the specimens in the National Museum, in the Coll. T. M. B., and a few others, with descriptions of these, and of various nests. Eggs of *E. minimus*, *obscurus*, and *hammondi* normally white, unmarked; of *E. flaviventris* normally spotted, sometimes unmarked; of *E. traillii*, *acadicus*, *pusillus*, and *difficilis* normally strongly marked.

1879. [COUES, E.] The Nest of *Empidonax minimus*. < *Temperance Vidette* (news-paper of Terrell, Texas), Nov. 1, 1879.

Quoted from his *Birds of the Northwest*, 1874, p. 255.

1879. CUNNINGHAM, S. Nest of the Great-crested Flycatcher [*Myiarchus cinerascens*]. < *The Oölogist*, iv, No. 8, Mar., 1879, p. 59.

1879. [GRINNELL, G. B.] Nests and Eggs of the Genus *Empidonax*. < *Forest and Stream*, xii, July 10, 1879, p. 444.

Notice of Dr. T. M. Brewer's paper on The Nests and Eggs of the Eight North American Species of *Empidonaces* in *Pr. U. S. Nat. Mus.*, ii, 1879, pp. 1-10.

1879. HAYWARD, R. A Spotted Egg of *Empidonax minimus*. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 124.

Identification of the specimen attested by W. Brewster.

1879. OSBORNE, S. D. Another Nest of the Yellow-bellied Flycatcher (*Empidonax flaviventris*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 240, 241.

1879. RIDGWAY, R. Descriptions of New Species and Races of American Birds, including a Synopsis of the Genus *Tyrannus*, Cuvier. < *Proc. U. S. Nat. Mus.*, i, 1878 (pub. May, 1879), pp. 466-486.

I. The greater part of the paper is occupied with this excellent monography of *Tyrannus*, in which the following species are recognized and fully treated, with synonymy, diagnosis, habitat, and criticism: *TT. magnirostris*, *rostratus*, *dominicensis*, *carolinensis*, *crassirostris*, *melancholicus* (*β. couchi*, *γ. satrapa*), *albigularis*, *apolites*, *niveigularis*, *verticalis*, *vociferans*, *luggeri* (n. sp., p. 481), and *aurantio-atrocristatus*.—II. *Lichenops perspicillatus*, *β. andinus*, p. 483; *Dacnis pulcherrima*, *β. aureinucha*, p. 484; *Parus rufescens*, *β. neglectus*, p. 485, sub-spp. *nn.*

## Ampelidæ.

[NOTE.—Nearly all my titles on the genus *Ampelis* were given in *B. Col. Vall.*, i, 1878, pp. 453-459; and are not here reproduced. The family, as constituted by Gray, includes *Myiadestes* and *Phainopepla*.]

1834. HEARNE, J. [Letter on various Zoological Subjects relating to the Island of Hayti.] < *P. Z. S.*, ii, 1834, p. 25.  
 'Note of a bird called the 'Musicien' (*Myiadestes elizabeth*).
1835. TREVELYAN, W. C. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*], living in a State of Domestication in England. < *Loudon's Mag. Nat. Hist.*, viii, 1835, pp. 511, 512.
1835. TURNER, H. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*], . . . < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 511.
1835. ANON. The Bohemian Waxwing, or Chatterer [*Ampelis garrulus*] (p. 511.); the Appendages to its Wings vary in Number in different Individuals: an instance of this. < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 615.  
 From *The Carlisle Journal*, January, 1835.
1840. CLARKE, C. [Notes, contained in a letter, relating to a Bird called in Cuba 'The Musician'.] < *P. Z. S.*, viii, 1840, pp. 153, 154.
1845. LAFRESNAYE, F. DE. Sur le Ptilogonys nitens de Swainson, Hypotyme luisant, nob. < *Revue Zoologique*, viii, 1845, pp. 451, 452.  
 This note forms a part of one of the instalments of the "Mélanges Ornithologiques".
1858. SCLATER, P. L. Note on the Genus *Cichlopsis* of Cabanis. < *P. Z. S.*, xxvi, 1858, pp. 541-543.  
 Rectification of synonymy of *C. leucogonys*.—*Phainopepla*, g. n., p. 543.
1861. HEIBERG, P. V. Sidenævdsen [*Ampelis garrulus*]. < *Tidssk. Pop. Fremst, af Naturv.*, 2<sup>n</sup> række, iii, 1861, pp. 297-301.
1866. "THE OLD BUSHMAN." The Waxwing [*Ampelis garrulus*], the Pine Grosbeak, and the Crossbills. < *The Intellectual Observer*, ix, 1866, pp. 345-352.  
 Interesting field-notes on the first named of these species.
1870. ALLEN, J. A. „Fugle efterstræbte af Frøer.“ < *Tidssk. for Pop. Fremst. Naturv.* 4<sup>e</sup> ser., ii, 1870, p. 80.  
*Proc. Bost. Soc. Nat. Hist.*, 1868, p. —.
1876. [INGERSOLL, E.] The Bohemian Waxwing [*Ampelis garrulus*]. < *Forest and Stream*, vi, Apr. 13, 1876, p. 148.  
 Observations in Minnesota of P. L. Hatch and Thos. S. Roberts.
1877. LAMB, W. F. Nest and Eggs of Townsend's Flycatcher [*Myiadestes townsendi*]. < *Bull. Nat. Ornith. Club*, ii, No. 3, July, 1877, p. 77, 78.
1877. ROWLEY, G. D. *Phainoptila melanoxantha*, Salvin. *Rowl. Orn. Misc.*, ii, pt. x, Oct., 1877, pp. 439-442, pl. lxxix.  
 This lately-described species is figured, with copy of the original article, and additional matter from A. Boucard.
1877. SALVIN, O. Description of a New Genus and Species of Oscines from Costa Rica [*Phainoptila melanoxantha*]. < *P. Z. S.*, Apr. 17, 1877, p. 367.  
 Provisionally placed near *Ptilogonys*, in *Ampelidæ*.

## Cotingidæ.

1769. VOSMAER, A. Description | d'une belle | Grive d'Amerique [Cotinga cayana], | nommée | Quereiva, | Qui vient du | Bresil, | Et se conserve dans le Cabinet de | son altesse Sérénissime | Monseigneur le Prince d'Orange et de Nassau, | Stadhouder He're'ditaire, Gouverneur, Capi- | taine Ge'ne'ral et Amiral des Provinces-Unies | des Pais-Bas, &c. &c. &c. | Par | A. Vosmaer, | Directeur des Cabinets d'Histoire Naturelle & de Curiosités de S. A. S., Membre de | l'Academie Impériale, & Correspondant de l'Académie Royal des Sciences de Paris. | A Amsterdam, | Chez Pierre Meijer, M. DCC. LXIX. 4to. pp. 7. pl.  
The bird here described is the *Cotinga cayanensis* of Brisson, ii. p. 344, pl. 34. f. 3, the *Quereiva* Buff. P. E. 624 = *Ampelis cayana* L.
1769. VOSMAER, A. Description | du | Coq-des-Roches | Americain [*Rupicola crocea*], | Oiseau | d'une merveilleuse beauté, très peu connu encore: apporté de | Surinam, | Pour le Cabinet de | son altesse Sérénissime | Monseigneur le Prince d'Orange et de Nassau, | Stadhouder He're'ditaire, Gouverneur, Capi- | taine Ge'ne'ral et Amiral des Provinces-Unies | des Pais-Bas, &c. &c. &c. | Par | A. Vosmaer, | Directeur des Cabinets d'Histoire Naturelle & de Curiosités de S. A. S., Membre de | l'Académie Impériale, & Correspondent de l'Académie Royal des Sciences de Paris. | A Amsterdam, | Chez Pierre Meijer, | M. DCC. LXIX. 4to. pp. 7, pl.  
The bird here described is the *Cocq de Roche* Buff. P. E. 39; *Rupicola* Briss. iv. p. 437. pl. 34. f. 1 = *Pipra rupicola* L.
1823. THUNBERG, C. P. Description d'un nouveau genre d'oiseaux [Cotinga]. < *Mém. Soc. Nat. Moscou*, vi, 1823, pp. 175-179.  
Pas vue moi-même: le titre tiré de la *Bibl.* de Carus et Engelm.
1823. THUNBERG, C. P. *Ampelis, ejus novas species præ.* C. P. Thunberg p. p., resp. O. Fr. Tullberg, Smol. Upsaliae. 1823. 4to. pp. 4. 6.  
Libellus hand mihi obviis.
1825. SWAINSON, W. On the genus *Psaris* of M. Cuvier, with an Account of two new Species. < *Zool. Journ.*, ii, 1825, pp. 354-357.  
*Ps. cristatus*, p. 255; *Ps. niger*, p. 356. spp. m.
1826. DESM . . . ST. [DESMAREST, A. G.] Description d'un nouveau genre d'oiseaux découvert dans le Brésil et nommé Cotinga, par C. P. Thunberg. . . . < *Féruss. Bull.*, 2<sup>e</sup> sec., vii, 1826, p. 248.  
*Mém. de la Soc. Imp. des Sci. de Moscou*, vi, p. 175.
1826. LESSON, [R. P.] Sur le genre *Psaris* de M. Cuvier, avec la description de deux espèces nouvelles; par William Swainson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sec., viii, 1826, pp. 442, 443.  
Extrait du *Zool. Journ.*, ii, No. 7, 1825, pp. 354-357, q. v.
1826. SELBY, P. J. An Account of a new or fifth Species of the Genus *Psaris* [*erythrogyus*], Cuv. < *Zool. Journ.*, ii, 1826, pp. 483, 484.
1827. LESSON, R. P. Description d'une espèce nouvelle du genre *Psaris*, de M. Cuvier; par P. J. Selby. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xii, 1827, p. 267.  
*Ps. erythrogyus*, Selby; *Zool. Journ.*, ii, 1826, p. 483.
1828. SELBY, P. J. Neue Gattung *Psaris* Cuv., . . . < *Oken's Isis*, Bd. xxi, 1828, pp. 943, 944.  
Uebers. aus d. *Zool. Journ.*, ii, 1826, pp. 483, 484; *Ps. erythrogyus*.
1830. SWAINSON, [W.] Ueber die Sippe *Psaris* Cuv. < *Oken's Isis*, Bd. xxiii, 1830, p. 1038.  
Uebers. aus d. *Zool. Jour.*, Bd. ii, Nr. vii, Oct., 1825, pp. 354-357.



1830. WAGLER, J. Revisio generis Pipra. < *Oken's Isis*, Bd. xxiii, 1830, pp. 926-943.  
*PP. ignicapilla, lanceolata*, p. 931; *aurantia*, p. 935; *auricapilla*, p. 934; *perspicillata*, p. 935; *tyranulus* (sic), p. 940, spp. nn.—Expositio specierum 33, synonymis, descriptionibus et patriis redactorum, pp. 926-941.—Expositio brevior reliquarum specierum 17.
1832. CHILDREN, [J. G.] [On specimens of the Phytotoma bloxhami, Childr., collected by Mr. Cuning in Chili.] < *Proc. Comm. Sci. and Corr. Zool. Soc. Lond.*, pt. ii, 1832, p. 3.
1832. LAFRESNAYE, F. DE. Phytotome. Phytotoma, Molina, Dandin, etc. < *Guér. Mag. de Zool.*, 2<sup>e</sup> année, classe ii, notice v, pl. v.  
 Esquisse monographique sur ce genre. Pl. v, *Phytotoma rutila* V.
1835. CHILDREN, [J. G.] [Phytotoma bloxhami.] < *Oken's Isis*, Bd. xxviii, 1835, p. 365.  
 Aus *P. Z. S.*, 1832, p. 3.
1838. EYDOUX, [F.] et GERVAIS, [P.] Sur quelques particularités anatomiques du Phytotoma rara de Molina. < *Guér. Mag. de Zool.*, 8<sup>e</sup> année, 1838, classe ii, notice lxxxvi, pp. 1-4, pl. lxxxvi.
1839. LAFRESNAYE, F. DE. G. Cotinga. Ampelis. Lin. C. a plumes en lamelles. Ampelis lamellipennis. De Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1839, Oiseaux, pp. 1, 2, pl. 9.  
 C'est une Cotinga, du sous genre *Xipholena* Glog.
1841. PARZUDAKI, C. Manakin nouveau [Pipra candei], découvert par M. De Mausson Candé. < *Revue Zoologique*, iv, 1841, p. 306.
1842. LAFRESNAYE, F. DE. [Ueber Phytotoma.] < *Oken's Isis*, Bd. xxxv, 1842, p. 51.  
 Aus d. *Mag. de Zool.*, Jahrg. ii, 1832, Klasse ii, Artikel v, Taf. 5.
1843. DES MURS, O. Notice sur le genre ornithologique rupicola ou coq de roche et considérations oologiques. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Oiseaux, pp. 1-10, pl. 37.  
 Pl. 37, l'œuf de *Rupicola peruviana*.
1843. GOUDOT, J. Note sur le nidification du Rupicola peruviana et de l'Eurypyga phalenoïdes. < *Revue Zoologique*, vi, 1843, pp. 1, 2.
1843. GOUDOT, J. Observations sur l'organisation et les habitudes du coq de roche péruvien (Pipra peruviana, Lath.), et du caurale (Ardea helias, Lin.). < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, pp. 1-4, pl. 37, 38.  
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 Ein physiologisch. Beitrag.
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1851. WALLACE, A. R. On the Umbrella Bird (*Cephalopterus ornatus*), "Ueramimbé," L. G. < *Ann. Mag. Nat. Hist.*, 2d ser., viii, 1851, pp. 428-430.  
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1862. SCLATER, P. L. Note on *Pipra deliciosa*. < *Ibis*, iv, 1862, pp. 175–178, pl. vi.  
Referred to genus *Macheropterus*; synonymatic synopsis of 4 spp. of this genus; and reprint from *P. Z. S.* of his remarks on its wing-structure.
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A popular account of these singular birds. The plate illustrates *C. nudicollis*.
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1870. ANON. Der Glockenvogel [*Chasmorhynchus carunculatus*]. < *Aus der Natur.*, lii, oder n. F., xl, 1870, p. 352.
1872. ZORN, J. [Eine Siesta am Irura.] < *Westerm. illustr. deutsche Monatshefte*, Juni, 1872, pp. — — —, fig.  
Fig. of *Cephalopterus ornatus*.
1878. SCLATER, P. L. Revision of the Species of the Cotingine Genus *Pipreola*. < *Ibis*, 4th ser., ii, Apr., 1878, pp. 164–173, pl. vi.  
Monography of 9 spp. regarded as “firmly established”, with notice of two doubtful ones, one of these being *P. chlorolepidota*, on which Swainson originally established the genus. *Euchlorornis* Cab. & H., 1859, or *Euchlornis* Filippi, Mus. Med., 1847. = *Pyrrothynchus* Bp., 1854, or *Pyrrothorhynchus* Lafr., 1849, = *Pipreola* Sw., 1838. The nine spp. are *riefleri*, *melanotaema*, *viridis*, *formosa*, *frontalis* (pl. vi), *sclateri*, *aureipectus*, *jucunda*, *elegans*; none new.

**Vireonidæ.**

1843. [LAFRESNAYE, F. DE.] G. Cyclarhis. Cyclarhis. Swainson. (Fam. Laniadae.) Gen. Laniagra, d'Orb. et Lafr. Tangara, Buff. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Ois., pp. 1-4, pl. 33.  
Pl. 33. *C. nigrirostris* Lafr. (*R. Z.*, 1842, p. 133). Liste des trois espèces composant le genre.
1851. CASSIN, J. Sketch of the Birds composing the genera Vireo, Vieillot, and Vireosylvia, Bonaparte, with a List of the previously known and descriptions of three new species. < *Proc. Acad. Nat. Sci. Phila.*, v, 1851, pp. 149-154, pll. x, xi.  
*Vireo*, 5 spp.; *V. huttoni*, p. 150, pl. x. f. 1, sp. n.; *Vireosylvia*, 6 spp.; *V. flavoviridis*, p. 152, pl. xi; *V. philadelphia*, p. 153, pl. x. f. 2, spp. nn.
1851. LAFRESNAYE, F. DE. Sur l'oiseau nommé par Brisson Tangara de Saint-Domingue, Tanagra Dominicensis, Tanagra Dominica, par Linné, figuré par Buffon, pl. enl. 156, f. 2, et dont Vieillot a fait son genre Esclave (Dulus), sous le nom de Dulus palmarum. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590.
1851. STRICKLAND, H. E. On the Type of the genus Dulus, Vieill. < *Jard. Contrib. Orn.*, 1851, pp. 103, 104.  
*Tanagra dominica* L., nec *Turdus palmarum* L. Cf. Lafr., *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590. (See Gray's *Handlist*, Nos. 5827 and 7025.)
1852. LYMAN, T. [On the Breeding of the Yellow-breasted Chat (*Icteria viridis*) in New England.] < *Proc. Boston Soc. Nat. Hist.*, iv, 1852, p. 167.
1852. WOODHOUSE, S. W. Descriptions of new species of Birds of the genera Vireo [atricapilla, p. 60], Vieill., and Zonotrichia, Swains. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 60, 61.
1853. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Ortyx Stephens, Sterna Linn., and Icteria [longicauda, p. 4] Vieillot. < *Ann. Lyc. Nat. Hist. N. Y.*, vi, 1853, pp. 1-4.
1857. BREWER, T. M. [On the characters, habits and distribution of Vireosylvia philadelphia of Cassin.] < *Proc. Boston Soc. Nat. Hist.*, ii, 1857, pp. 108-111.  
Including a letter from Th. Kumlein, of Wisconsin.
1860. BRYANT, H. [*Vireo bogotensis*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, vii, 1860, p. 227.  
The description occurs in an untitled article which also treats of *Turdus minimus* Lafr.
1863. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Vireonidae and Rallidae. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 106, 107.  
*Vireo atripennis*, p. 106, Sombrero. See especially Baird, *Rev. Amer. Birds*, p. 330.
1864. BROWN, E. Occurrence of the Red-eyed Flycatcher [*Vireo olivaceus*] in England. < *Zoologist*, xxii, 1864, pp. 8965-8967.  
Extracted from the "Natural History of Tutbury", p. 385.
1864. HADFIELD, H. Notes on the Red-eyed Flycatcher [*Vireo olivaceus*]. < *Zoologist*, xxii, 1864, pp. 9020, 9021.
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridae, Vireonidae, Tyrannidae, and Trochilidae, with a note on Myiarchus Panamensis. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 37-39.  
*Hylophilus acuticaudus*, p. 37, Venezuela.
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The writer contends that the Vireo captured in England, as described and figured by Mosley in *Nat. Hist. Tutbury* (pl. 6), is *V. altiloquus*, not *V. olivaceus*! A note from "B" appended suggests that the bird may be *Erythrostera parva*!!

1874. SHARPE, R. B. On a new Genus and Species of Bird from the West Indies. < *P. Z. S.*, xlii, 1874, pp. 427, 428, woodcut. pl. liv.  
*Phœnicomanes iora*. Considered related to *Phœnicophilus*, and referred with the latter to *Vireonidæ* rather than *Tanagridæ*. But it proved to be an *Iora*; see *P. Z. S.*, 1875, p. 640.
1875. FINCH, O. Notes on *Phœnicomanes iora*, Sharpe, and *Abromis atricapilla*, Blyth. < *P. Z. S.*, Dec. 7, 1875, pp. 640-641.  
 Former (*P. Z. S.*, 1874, p. 427) is *Iora lafresnayeii* Hartl., *R. Z.*, 1844, p. 401!
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 Summary of its recorded occurrences there.
1876. [INGERSOLL, E.] A Peculiar Bird's Nest [*Vireo noveboracensis*]. < *Forest and Stream*, vi, May 4, 1876, p. 197.
1877. FOX, W. H. Capture of the Philadelphia Vireo [*V. philadelphicus*] in New Hampshire. < *Bull. Nutt. Ornith. Club*, ii, No. 3, July, 1877, p. 78.
1878. BATCHELDER, C. F. Spurious Primaries in the Red-eyed Vireo [*Vireo olivaceus*]. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 97, 98.  
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1878. COOPER, W. A. Notes on the breeding habits of Hutton's Vireo (*Vireo huttoni*) and the Gray Titmouse (*Lophophanes inornatus*), with a description of their Nests and Eggs. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 68, 69.
1878. COUES, E. Letters on Ornithology. No. 18.—The Yellow-breasted Chat [*Icteria virens*]. < *The Chicago Field*, June 29, 1878.  
 From advance sheets of "Birds of the Colorado Valley."
1878. SALVIN, O. Note on the Type of *Malaeonotus leucotis*, Swainson. < *Ibis*, 4th ser., ii, No. 8, Oct., 1878, pp. 443-445, pl. xi.  
 Swainson's species (*An. Menag.*, 1838, p. 431) is identified with *Vireolanus icterophrys* of Bonaparte, *C. R.*, xxxviii, 1853, p. 380.—Note on *V. dubusi* Verr.
1879. BREWER, T. M. Vireo gilvus and Vireo flavifrons in Northern New England. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 237.
1879. BREWSTER, W. Notes upon the Distribution, Habits, and Nesting of the Black-capped Vireo (*Vireo atricapillus*). < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 99-103.  
 Being the whole history of the species to date, with very full descriptions of nest and eggs.
1879. COUES, E. Note on the Black-capped Greenlet, *Vireo atricapillus* of Woodhouse. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 193, 194, pl. i.  
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## Laniidæ.

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 < *Kongl. Vetensk. Acad. Nya Handl.*, ii, 1781, pp. 98-104.  
 "Veckoskr. f. Läk. o. Naturf. 2:dra B:det. [1781], 280-281" (*v. Friesen*).
1824. SEYFFERTITZ, [A.] v. Beobachtungen über den Würger, Lanius, Linn. aus  
 Briefen des Herrn Freiherrn v. Seyffertitz mit dessen eigenen Worten.  
 < *Ornis*, Heft i, 1824, pp. 54-79.
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1826. LESSON, R. P. Recherches sur les rapports naturels des Laniadæ ou Pies-  
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 p. 107, 108.  
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1829. A[UDUBON], J. J. [Note on the manner in which the Shrike (*Lanius excu-*  
*bitor*) seizes its prey.] < *London's Mag. Nat. Hist.*, i, 1829, p. 93.
1829. FARRAR, W. A Pair of Butcher Birds (*Lanius Collurio*, n. et. f. ?). < *London's*  
*Mag. Nat. Hist.*, ii, 1829, p. 484.
1830. SWAINSON, W. Untersuchung über die natürlichen Verwandtschaften der  
 Laniadæ oder Würger. < *Oken's Isis*, Bd. xxiii, 1830, pp. 419, 420.  
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1831. HOY, J. D. Observations on the British Species of Shrikes [*Laniidæ*], their  
 Habits, Nidification, &c. < *London's Mag. Nat. Hist.*, iv, 1831, pp. 341-344.
1832. "SOMERSETENSIS." The Butcher Bird (*Lanius Collurio*). < *London's Mag. Nat.*  
*Hist.*, v, 1832, pp. 281, 282.  
 Note of its habits.
1835. BLYTH, E. Notice of a very remarkable Individual of the Common Shrike  
 (*Lanius Collurio* Lin.), with some Observations on this Species of Shrike.  
 < *London's Mag. Nat. Hist.*, viii, 1835, pp. 364-371.  
 ? in male plumage.—The following observations are extended and miscellaneous. Edi-  
 torial note, pp. 371, 372.
1837. GRAY, G. R. Description of a new Subgenus, and some Remarks on Birds be-  
 longing to the Family Laniadæ. < *Charlesw. Mag. Nat. Hist.*, i, 1837, pp. 487-  
 490, fig. 61.  
*Chaunonotus*, p. 487; *Hapalophus*, p. 489, *genn. nn.*
1839. LESSON, R. P. Révision de la Famille des Pies-grièches. < *Revue Zoologique*,  
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1839. LESSON, [R. P.] Description d'une nouvelle espèce de Pie-grièche tuée à Oran,  
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1839. LESSON, R. P. Cadre spécifique des oiseaux de la famille des Laniadées.  
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1843. DOUBLEDAY, H. Note on the Grey Shrike, (*Lanius Excubitor*). < *Zoologist*,  
 i, 1843, p. 40.
1843. HARTLAUB, [G.] [Sur une Pie-grièche trouvée en Grèce (*Lanius nubicus*  
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1843. HEWETT, W. Note on the Shrike [*Lanius collurio*]. < *Zoologist*, i, 1843, p. 352.
1843. JORDAN, W. R. H. Note on the Red-backed Shrike, (*Lanius collurio*). < *Zoologist*, i, 1843, p. 40.
1844. BURLINGHAM, D. C. Note on the occurrence of the Grey Shrike [*Lanius excubitor*] at LYNN. < *Zoologist*, ii, 1844, p. 444.
1844. HEPPESTALL, J. Note on the great grey Shrike [*Lanius excubitor*]. < *Zoologist*, ii, 1844, p. 656.
1844. SPENCER, J. B. Note on the capture of the Great Grey Shrike [*Lanius excubitor*, in Britain]. < *Zoologist*, ii, 1844, p. 761.
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1845. NORMAN, G. Occurrence of the great grey-backed Shrike [*Lanius excubitor*] near Hull. < *Zoologist*, iii, 1845, p. 1023.
1847. HUNTER, C. B. Occurrence of the Great Gray Shrike [*Lanius excubitor*] at Downham. < *Zoologist*, v, 1847, p. 1637.
1849. BORRER, W., JR. Occurrence of the Great Gray Shrike [*Lanius excubitor*] near Shoreham. < *Zoologist*, vii, 1849, p. 2386.
1849. BREE, C. R. Occurrence of the Great Gray Shrike [*Lanius excubitor*] in Suffolk. < *Zoologist*, vii, 1849, p. 2412.
1849. DUFF, J. Occurrence of the Great Gray Shrike (*Lanius Excubitor*) near Bishop's Auckland. < *Zoologist*, vii, 1849, p. 2386.
1849. LUKIS, J. W. Occurrence of the Great Gray Shrike (*Lanius excubitor*) at Heacham, Norfolk. < *Zoologist*, vii, 1849, pp. 2411, 2412.
1849. MILNER, W. M. E. Occurrence of the Great Gray Shrike (*Lanius Excubitor*) near York. < *Zoologist*, vii, 1849, p. 2452.
1849. RODD, E. H. Occurrence of the Woodchat (*Lanius rufus*) at Scilly. < *Zoologist*, vii, 1849, pp. 2620, 2621.
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Dr. Godman was born at Annapolis, Md., Dec. 29, 1794, and died Apr. 17, 1830. His principal work, "American Natural History," is devoted to Mammals, as is well known. The original edition, in 3 vols. 8vo., was published, vols. i, ii, 1826, Philadelphia, H. C. Carey and I. Lea, and vol. iii, 1828, Philadelphia, Carey, Lea, and Carey. This was reissued in 1831, Philadelphia, Stoddart and Atherton, without alteration, doubtless from the original plates. In 1836 appeared the third edition, as here cited, in *two* vols.: substantially the same as the original, as to main text, but with biographical sketch prefixed to vol. i, and the "Rambles" affixed to vol. ii. This third edition was reissued in 1860, Philadelphia, Uriah Hunt and Son, apparently without alteration, though with new title-page. I have handled all four of these issues.  
The "Rambles" are an incomplete series of sketches, composed by the author on his death-bed, and appeared first in a weekly journal published in Philadelphia; but I have never been able to see the original articles. They were first added to this 1836 edition of the "Natural History," and reappear in the 1860 reissue. Nos. x-xii of the "Rambles," pp. 325-337 of both the 1836 and the 1860 editions, are devoted to the natural history of *Corvus americanus*; and these sketches are, upon the whole, the best account we possess of the habits and traits of the bird.
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The type of the new genus *Cyanocitta* is expressly stated to be *Garrulus cristatus* (Linn.); wrongly given by most American writers as *G. superciliosa* = *G. californicus*.—*G. cristatus* is wrongly given by G. R. Gray and others as the type of Swainson's genus *Cyanurus*, 1831, upon the assumption that the first species mentioned by an author under a genus must be considered his type of that genus. But Swainson himself says that *cristatus*, etc., are aberrant members of his genus *Cyanurus*. Therefore, *Cyanurus* Sw., 1831, is a synonym of *Cyanocorax* Boie, 1826, leaving *Cyanocitta* Strickl., 1845, to stand for the crested blue jays of America typified by *C. cristatus*, *stelleri*, etc.—See *P. Z. S.*, 1876, p. 268, note.
1845. STRICKLAND, H. E. Further Notice respecting *Cyanocitta superciliosa*, a supposed new Species of Blue Jay. < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 342, 343.  
Identified with *Garrulus californicus* Vig.
1846. AGASSIZ, L. [*Corvus lugubris*, sp. n.] < *Proc. Bost. Soc. Nat. Hist.*, ii, 1846, p. 188.
1846. HUGHES, E. J. R. Habit of the Raven [*Corvus corax*]. < *Zoologist*, iv, 1846, p. 1366.
1847. AGASSIZ, L. On the Moose and Carabou and on the American Raven [*Corvus lugubris*]. < *Am. Journ. Sci.*, iii, 1847, p. 436.  
From *Proc. Bost. Soc. Nat. Hist.*, 1846, p. 187.
1847. AGASSIZ, L. On the Moose and Carabou, and on the American Raven [*Corvus lugubris*]. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 142.  
From *Am. Journ. Sci.*, 1847, p. 436.
1848. CASSIN, J. Descriptions of two new Species of the Genus *Cyanocorax* [*C. harrissii*, *C. concolor*], Boie, of which specimens are in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1848, pp. 26, 27.
1848. PRATER, T. Anecdote of a Magpie (*Corvus pica*). < *Zoologist*, vi, 1848, p. 2146.
1849. CABOT, S., JR. [On the specific distinctness of *Corvus americanus* and *Corvus corone*.] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1849, pp. 104, 105.
1849. ELLMAN, J. B. A Gamekeeper's Stratagem. < *Zoologist*, vii, 1849, p. 2494.  
Singular method of attracting magpies,—by cries of a tortured hedgehog.
1849. STRICKLAND, H. E. *Cyanocorax nanus*, Dubns. ? < *Jard. Contrib. Orn.*, 1849, p. 122, pl. xxxiii.  
Provisionally named *C. pumilio*, sp. n.
1850. ANON. A Magpie's delicate attention to its Mistress. < *Zoologist*, viii, 1850, p. 2953.  
From *Literary Gazette*, Oct. 12, 1850.
1850. BONAPARTE, C. L. On the Garruline Birds, or Jays: with Descriptions of new species. < *P. Z. S.*, xviii, 1850, pp. 79–86, pl. (Aves) xvii.  
This paper requires close attention to catch its drift. The author's "Napoleonic" tendency to transfer, substitute, and otherwise interfere with the genera of other authors, to suit his own notions, is here seen at about its worst: and this abuse of generic nomenclature in *Garruline* has provoked endless confusion.  
Gray's *Lophocitta*, 1840, *vice* *Platylophus* Sw., is applied (p. 79) to *Garrulus histrionicus* Müll. and *Corvus guleriulatus* Cuv.  
*Garrulus lidthi*, p. 80, pl. 17, is a new species; other species of *Garrulus* treated are *G. lanceolatus* Vig., *glandarius* V., *japonicus* Schl., *krynckii* Kalen., *melanocephalus* Bonelli, *brandti* Eversm., and *bispecularis* Vig.  
*Cyanogarrulus* Bp., p. 83, is "dismembered" from *Cyanocorax* Boie, 1826, for *C. cristatus*, etc., becoming thus exactly synonymous with *Cyanocitta* Strickl., 1845.

## 1850. BONAPARTE, C. L.—Continued.

*Cyanocorax* Boie is "restricted" to such species as *C. azureus* and *violaceus*.

*Xanthura* Bp., p. 83, is proposed for *Corvus peruvianus*.

*Cissilopha* Bp., p. 83, is applied to *C. sanblasiana*.

*Cyanurus* Sw., 1831, is "transferred" to such species as *Pica bullockii* Wagl., and *P. colliei* Vig.—*Cyanurus lauri*, *Cyanurus cyano*, p. 84, are new species.

*Calocitta* is applied to "red-billed, long-tailed, blue magpies."

*Cyanocephalus wiedi* Bp., "1842", occurs on p. 85; but only the generic name *Cyanocephalus* appeared in 1842. *Gymnokitta* (g. n., "Max.") occurs in the same paragraph.

*Cyanopica* Bp., p. 85, with species *C. melanocephala* (Wagl.) *cyaneus* (Pall.) and *cooki* Bp., 1849.

*Streptocitta* Bp. and *Gazdla* Bp. are respectively proposed to be applied to *Pica albicollis* V., and *Corvus caledonicus*.

1850. C. Fragments from my note-book.—A bird breathing through its wing. *Family Visitor*, i, 1850, p. 32.

A blue jay with its wing broken, was brought to me to stuff. . . . . Wishing to kill it without injuring its skin or disarranging its feathers, I attempted to strangle it by compressing its neck firmly so that the windpipe was entirely closed, and in this manner I held it several minutes without its presenting any appearance of suffocation or inconvenience, and its thorax contracted and expanded regularly. Putting it down on the floor it hopped off into a corner, screaming and scolding as usual. I was sadly puzzled to account for this, till at length I thought of its wing; and on examining it I found the long bone (humerus) broken, and through this it breathed. After I stopped up this orifice and compressed the windpipe again, it was suffocated in a few moments. . . . . Cleveland, Ohio, Jan. 19, 1850.

1850. CURTLER, M. Ferocity of the Magpie (*Pica caudata*). < *Zoologist*, viii, 1850, pp. 2799, 2800.1850. MCINTOSH, J. Longevity of a Magpie (*Pica caudata*). < *Zoologist*, viii, 1850, p. 2824.1851. BEADLES, H. Anecdotes of a Raven [*Corvus corax*]. < *Zoologist*, ix, 1851, pp. 3033, 3034.1851. BONAPARTE, C. L. On the Garruline Birds, or Jays; with Descriptions of new species. < *Ann. Mag. Nat. Hist.*, 2d ser., vii, 1851, pp. 412-419.

From *P. Z. S.*, Apr. 12, 1850, pp. 79-86, q. v.

## 1853. BERNSTEIN, H. A. De | Anatomia Corvorvm. | Pars prima. | Osteologia. | — | Dissertatio | Inaugvralis zootomica | quam | consensu et auctoritate | gratiosi Medicorvm ordinis Vratislaviensis | pro | symmis in Medicina et Chirurgia honoribvs | rite | capessendis | die XVI. M. Novembris A. MDCCCIII | Hora IX | palam defendet | auctor | Henricvs Agathon Bernstein. | — | . . . | — | Vratislaviae, | typis Grassii Barthii et Soc. (W. Friedrich). 1 vol. 8vo. pp. i-vi, 1-64 + 1 l.

1854. JAMES, G. P. R. The Raven [*Corvus corax*]. < *Harper's Monthly Mag.*, viii, 1854, pp. 463-470.

Anecdotes of its behavior in England.

1855. BERGE, F. [Ueber die Eier von *Corvus corax*.] < *Naumannia*, 1855, p. 110.1855. FUHLROTT, [C.] [Varietät der gemeinen Elster. *Corvus pica*, L.] < *Naumannia*, 1855, pp. 398-400.1855. KAUP, J. [J.] Einige Worte über die systematische Stellung der Familie der Raben, Corvidæ. (Anh. iii. zu Bericht über d. viii. Jahresvers. d. dent. Orn.-Gesell.) < *J. f. O.*, 1854, Extrahft (1855), pp. xlvii-lvi, pl. ii. f. 10.

The family is divided into 5 subfamilies, each of 5 lesser groups (some not yet discovered). The diagrammatic illustration of the author's views is a pentagon (family), pointed with 5 lesser pentagons (subfamilies), rayed into stars by the 25 (actual or theoretical) minor groups. The quinary notion is also indicated in his arrangement of allied families.

1856. MAXIMILIAN. Ueber die nordamerikanische Elster. (*Pica ludsonica* Bonap.) < *J. f. O.*, iv, 1856, pp. 197-204.

Elaborate description, with reference to its supposed distinction from *P. melanoleuca*; but some of the alleged differences have been disproved, and none of them have been established.

1857. SMITH, R. B. Raven Paring [sic] with Crow. < *Zoologist*, xv, 1-57. pp. 5680, 5681.
1858. BREHM, [C.] L. Die langgeschwänzte Elster, *Pica candata* Ray. < *J. f. O.*, vi, 1858, pp. 173-176.  
 "Zerfällt nach meiner Ueberzeugung in folgende Arten:" *P. leuconotus* Brm., *P. vulgaris* auct., *P. melanotos* nob., *P. mauritanica* Rp.
1859. SCHLEGEL, H. Notice sur le Genre *Corvus*. < *Bijdragen tot de Dierkunde*, II. Deel, Achtste Aflevering, 1859, pp. 1-16, avec trois planches, dont l'une quadruple, 1. 1b, 2, 3.  
 This "notice" is in fact a monograph of the genus: on the whole, the most reliable and satisfactory one we have. The author's well-known extreme conservatism perhaps never appeared to better advantage than in this case, of a genus of which the rather numerous species are colored so uniformly, and at the same time present so much variation in size and shape. Numberless nominal species are here laid, and the residuum may be considered a safe basis for further study of the genus; for it is extremely unlikely that there are fewer good species than this author allows. Two, *C. adrena* and *C. senex*, are figured in colors; while of most of the rest, the heads are shown of life size on the black "quadruple plate" (really two double plates, 1 and 1b). Here is the list of them all, with the references both to the pages and to the plates, as the publication is not in every library:—  
*C. crassirostris*, *cafer*, p. 1; *scapularis*, *pectoralis*, p. 2; *adrena* (sp. n., pl. ii), *cornix*, p. 3; *splendens*, *corax* (pl. i, f. 1, 2), p. 4; *japonensis* (pl. i, f. 3, 4), *culminatus* (pl. i, f. 7), p. 7; *corone* (pl. i, f. 11, 12), *coronoides* (pl. i, f. 13), *umbrius* (pl. i, f. 14), p. 8; *macrorhynchus* (pl. i, f. 5, 6), *orru* (pl. i, f. 9, 10), *brevipennis* (sp. n., pl. i, f. 8), p. 9; *senex* (pl. iii), *americanus*, p. 10; *solitarius* (pl. i, f. 17), *mexicanus* (pl. i, f. 25), *frugilegus* (pl. i, f. 18), p. 11; *capensis* (pl. i, f. 19), *minor* (pl. i, f. 20), *validissimus* (sp. n., pl. i, f. 21), p. 12; *validus* (pl. i, f. 22), *enca* (pl. i, f. 23), p. 13; *violaceus* (pl. i, f. 24), *ossifragus* (pl. i, f. 27), *leucognaphalus* (pl. i, f. 28), p. 14; *affinis* (pl. i, f. 26), *monedula*, p. 15; *dauricus*, *neglectus* (sp. n.), p. 16. Cf. *Ibis*, 1860, pp. 189-191.
1860. ANON. The Magpie Nesting in Confinement. < *Zoologist*, xviii, 1860, pp. 6920, 6921.
1860. GODMAN, J. D. American | Natural History | By John D. Godman, M. D. | To which is added | his last work, | The Rambles of a Naturalist, | with a biographical sketch of the author. | In two volumes. Vol. II. | — | Third edition. | — | Philadelphia: | Uriah Hunt & Son, | 62 North Fourth street. | 1860, svo, pp. 337.  
 This is merely a reissue of the 2 vol. 3d ed. of 1836, *which see*. The articles on *Corvus americanus* occupy the same pages, 325-337, of vol. ii.
1860. HEINE, F. Ueber die Gattung *Cyanocorax* Boie. < *J. f. O.*, viii, 1860, pp. 113-115.  
 Systematic synopsis, with diagnoses, synonyms, etc., of 8 spp.—*C. selatieri*, *C. uroleucus*, p. 115; *C. intermedius*, p. 116, spp. mn. *Argurocetta*, g. n., p. 117, type *Corvus cyanoleucus* Wied.
1862. BARCLAY, W. L. Three Ravens [*Corvus corax*] feeding on a dead Hare at Hingham. < *Zoologist*, xx, 1862, p. 7932.
1862. BREE, W. T. Gathering of Magpies. < *Zoologist*, xx, 1862, p. 7846.
1862. BREE, C. R. Notes about Magpies. < *Zoologist*, xx, 1862, pp. 8162-8164.
1862. GIBSON, B. Large Flocks of Magpies. < *Zoologist*, xx, 1862, p. 7881.
1862. HADFIELD, H. *Corvus americanus*: *Corvus corone* of Wilson. < *Zoologist*, xx, 1862, p. 8282.  
 Differences from *C. corone* of Europe.
1862. HADFIELD, H. Gatherings of Magpies. < *Zoologist*, xx, 1862, pp. 7931, 7932.
1862. THOMPSON, T. Gathering of Magpies. < *Zoologist*, xx, 1862, p. 7846.
1863. BREE, C. R. Magpies Breeding in Confinement. < *Zoologist*, xxi, 1863, p. 8632.
1864. COX, C. J. Defence of the Magpie and Rook. < *Zoologist*, xxii, 1864, pp. 8952-8954.
1864. MORTIMER, T. Domesticated Magpies. < *Zoologist*, xxii, 1864, p. 8885.
1864. WALTER, H. Eine Rabenkrähe mit Kreuzschnabelbildung. < *Zool. Gart.*, v, 1864, pp. 283-286, figg.



1865. ANON. Grosse Antipathie des Raben [Corvus corax] gegen den Habient. < *Aus. der Natur.*, xxxi oder xix, 1865, p. 1860.
1865. DUTTON, J. Destructive Propensities of the Raven [Corvus corax]. < *Zoologist*, xxiii, pp. 9562, 9563.
1865. GOBYNARI, —. Ein alter Rabe [Corvus corax]. < *Zool. Gart.*, vi, 1865, p. 278.
1865. REY, E. [Zucht der Elstervogel (*Pica melanoleuca*).] < *Zool. Gart.*, vi, 1865, pp. 187-189.
1866. DUTTON, J. Raven [Corvus corax] Nesting in a Cucumber-frame. < *Zoologist*, 2d ser., i, 1866, p. 32.
1866. MATHEW, M. A. An ancient Raven [Corvus corax]. < *Zoologist*, 2d ser., i, 1866, p. 270.
1866. NÖLL, J. F. Ein getäuschter Rabe. < *Zool. Gart.*, vii, 1866, p. 39.
1866. WILLEMOES-SCHM, R. V. Brütende Elsteralbinos [Pica caudata]. < *Zool. Gart.*, vi, 1866, pp. 76, 77.
1867. BECKWITH, R. G. Magpie with Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 826, 827.  
Supposes the bird's bill colored with yolk of egg.
1867. HARVIE-BROWN, J. A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 877, 878.  
Fears no satisfactory conclusion can be reached.
1867. HARVIE-BROWN, J. A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, pp. 706, 707.  
A living bird of this kind observed in Scotland. Very interesting, in its bearing on *Pica nuttalli*.
1867. MATHEW, G. F. Magpie with Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 1016.  
Another case,—a similar bird observed in Devonshire.
1867. NEWTON, A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 757.  
Makes the obvious comparison with *Pica nuttalli*. The editor, E. Newman, supposes the bird to be *Pica nuttalli*.
1867. NEWTON, A. Magpie with a Yellow Beak. < *Zoologist*, 2d ser., ii, 1867, p. 913.  
Pertinent observation: "Causes which in America have produced a permanent race of magpies having yellow bills may in Europe have produced a single example having the same peculiarity."
1867. SCHLEGEL, H. Coraces. < *Mus. Hist. Nat. Pays-Bas*, 9<sup>e</sup> livr., 1867, pp. 1-150.  
"La famille des Coraces comprend les sous-familles des Corvi, Paradiseæ et Coraciæ." (!)  
"The author in this portion of his Catalogue groups together a most heterogeneous assemblage of birds. *Corvidæ*, *Paradisæidæ*, *Oriolidæ*, *Sturnidæ*, but worst of all, *Coraciidæ*, so that it is almost impossible to give here a clear account of them. The *Corvidæ*, in which we include the author's genera *Corvus*, *Nucifraga*, *Pica*, *Cyanocorax*, *Picathartes*, *Pyrhocorax*, *Garrulus*, *Cissa*, *Glaucoptis*, *Chalybarus*, *Cracticus*, and *Lycorax*, appear to be represented in the Leyden Museum by 685 mounted specimens belonging to 116 species . . ." (*Zool. Rec.*, 1867, p. 112.) (Cf. *Ibis*, 1867, p. 111.)
1868. DUTTON, J. Rook with a crossed Beak. < *Zoologist*, 2d ser., iii, 1868, p. 1459.
1868. ENDICOTT, W. E. Remarkable flight of Crows [Corvus americanus]. < *Am. Nat.*, ii, 1868, p. 381.  
Nearly 100,000, estimated, passing over a point in Maryland, U. S., between 4 and 6 p. m., in April.
1868. HOMIE, W. [Extract from a letter containing observations on the habits of *Cyanurus cristatus*.] < *Proc. Boston Soc. Nat. Hist.*, xi, 1868, p. 284.
1868. NAUMAN, C. H. Is the Crow [Corvus americanus] a Bird of Prey? < *Am. Nat.*, ii, 1868, p. 491.  
Cf. *tom. cit.*, 664. Note of a crow seizing and carrying off a chicken, *more accipitrino*.
1869. ASOX. La Corneille [Corvus americanus] est-elle un oiseau de proie? < *Naturaliste Canadien*, i, 1869, p. 194.  
Affirmé.

1869. BARTHOLF, J. H. Is the Crow [*Corvus americanus*] a Bird of Prey? < *Am. Nat.*, ii, 1869, p. 664.  
Other (cf. *tom. cit.*, 491) instances of the crow seizing and carrying off chickens, like a hawk.
1869. BREWER, T. M. [Remarks on exhibition of four unspotted eggs of *Corvus americanus*.] < *Proc. Boston Soc. Nat. Hist.*, xiii, 1869, pp. 138, 139.
1869. RATHVON, S. S. The Crow [*Corvus americanus*] a Bird of Prey. < *Am. Nat.*, iii, 1869, pp. 102, 103.  
The raptorial propensities of *Corvus americanus* confirmed.
1870. BREWER, T. M. The Blue Jay Family. < *Atlantic Monthly*, Apr., 1870, pp. 480-485.
1870. HAMEL, E. D. Cream-coloured Magpie. < *Zoologist*, 2d ser., v, 1870, p. 2344.
1871. COVES, E. The Long-crested Jay [*Cyanurus macrolophus*]. < *Am. Nat.*, v, 1871, pp. 770-775, fig. 134.  
Extended biography of *Cyanurus macrolophus*.
1871. HORNE, C. [Destruction of young lambs by] Magpies. < *Zoologist*, 2d ser., vi, 1871, pp. 2483, 2484.
1871. LÜNDER, W. Ueber die Raben Neu-Vorpommerns und Rügens. < *Mitth. a. d. naturw. Ver. v. Neu-Vorp. u. Rüg.*, iii, 1871, pp. 40-52.  
9 spp.
1872. COVES, E. Observations on *Picicorvus columbianus*. < *Ibis*, 3d ser., ii, 1872, pp. 52-59.  
Extended biographical sketch; synonymy, etc.
1872. COVES, E. Contribution to the History of the Blue Crow [*Gymnokitta cyanocephala*] of America. < *Ibis*, ii<sup>3</sup>, 1872, pp. 152-158.  
Synonymy, description, and biography.
1872. FRIEDEL, E. Krähen als Nussdiebe. < *Zool. Gart.*, xiii, 1872, p. 94.
1873. ALLEN, J. A. Crows and Ravens. < *Am. Nat.*, vii, 1873, pp. 743, 744.  
On the local distribution of *Corvus corax* and *C. americanus*, with reference to *tom. cit.*, p. 693.
1873. BARRETT, M. On the Migration of Certain Animals as Influenced by Civilization. < *Am. Nat.*, vii, 1873, pp. 693-695.  
Chiefly on the local dispersion of *Corvus corax* and *C. americanus*.
1873. BARRETT, M. On the Migration of Certain Animals as influenced by Civilization. < *Am. Sportsman*, iii, 1873, p. 86.  
Disappearance of *Corvus corax* from Minnesota, and immigration of *C. americanus*.
1873. GIZYCKI, G. V. Biographie meiner Elster. < *J. f. O.*, 1873, pp. 35-45.
1873. [SALVIN, O.] [Reference to the original notice of the Genus *Cyanocephalus* Bp.] < *Ibis*, 3d ser., iii, 1873, p. 103.  
Bonaparte proposed the genus *Cyanocephalus* in 1842, in his *Oss. Stat. Zool. Eur. Vert.* 1840-41, p. 17; and named the species by implication, *C. wiedi*; but the word "*wiedi*" does not actually occur there. I have verified Mr. Salvin's reference.
1874. ANON. [EDITORIAL.] Possibly a new bird from Oregon. < *Forest and Stream*, iii, Sept. 10, 1874, p. 68.  
Concluded to be *Picicorvus columbianus*: see *ibid.*, p. 84.
1874. DUBOIS, A. Remarques Morphologiques sur les Espèces du sous-genre Xanthoura. < *Bull. Acad. Roy. de Belgique*, 2<sup>e</sup> sér., xxxviii, 1874, pp. ---, fig. (carte).  
L'auteur constate que ce sous-genre ne comprend réellement qu'une seule espèce, très-variable suivant la position géographique qu'occupent les individus qui la composent, de la manière suivante: *Cyanocorax yncas*, Bolivie, Pérou, repub. de l'Équateur; *a. cyanodorsalis* (var. n.), Nouvelle-Grenade centrale et méridionale; *b. cyanocapilla*, nord de la Nouv.-Grenade jusqu'au Guatemala; *γ. ceruleocephala* (var. n.), Vénézuëla; *δ. bruxosa*, Mexique, Texas.
1874. KERR, W. J. Ravens [*Corvus corax*] Nesting in North Wales. < *Zoologist*, 2d ser., ix, 1874, p. 4156.
1874. LEE, A. Miss. Jim Crow. < *St. Nicholas Mag.*, i, 1874, pp. 647-649, figs. 1-9.  
Amusing account of a pet *Corvus americanus*.

1874. TRIPPE, T. M. The White-necked Raven [*Corvus cryptoleucus*, field note on]. < *Am. Nat.*, viii, 1874, pp. 429, 430.
1875. ANON. A variegated Crow [*Corvus americanus*, albinistic]. < *Forest and Stream*, iii, Feb. 4, 1875, p. 405.
1875. COUES, E. [On the nest and eggs of *Gymnokitta cyanocephala*.] < *Ibis*, 3d ser., v, 1875, pp. 270—.
1875. [PIERCE, G.] A white Crow [*Corvus americanus*]. < *Forest and Stream*, v, Sept. 23, 1875, p. 100.
1875. [PIERCE, G.] Rara Avis [albinistic *Corvus americanus*]. < *Rod and Gun*, vi, Sept. 25, 1875, p. 386.
1876. ANON. Mathematical Faculty of Crows. < *Rod and Gun*, vii, Mar. 4, 1876, p. 363. Anecdote, from "Portland Advertiser."
1876. ANON. A Thievish Crow [*Corvus americanus*]. < *Rod and Gun*, viii, July 22, 1876, p. 269.  
From the New Bedford, Mass., "Mercury." *Corvus americanus* preying upon fledglings of Robins.
1876. ANON. [Caterpillars' eggs in stomach of *Corvus americanus*.] < *Rod and Gun*, viii, July 15, 1876, p. 250.
1876. BENDIRE, C. Notes on the Breeding Habits of Clarke's Crow (*Picicorvus columbianus*), with an Account of its Nest and Eggs. < *Bull. Natl. Ornith. Club*, i, No. 2, July, 1876, pp. 44, 45.
1876. [COUES, E.] [Anecdote of the intelligence of a Crow (*Corvus ossifragus*).] < *New York Independent*, Nov. 23, 1876.  
A tame bird of this kind, kept in a yard where there was a tub of water containing small fish, snails, etc., for stocking an aquarium, used to alight upon the brim of the tub, and drop bread-crumbs into the water to attract the fish; which it seized as they rose to the surface, and devoured.
1876. FRAZAR, A. M. Intelligence of a Crow [*Corvus americanus*]. < *Bull. Natl. Ornith. Club*, i, No. 3, Sept., 1876, p. 76.
1876. "J. F." Crows [*Corvus americanus*] despoiling heronries. < *Forest and Stream*, vii, Sept. 14, 1876, p. 84.
1876. MORRIS, R. T. Charges against the Crow [*Corvus americanus*]. < *Forest and Stream*, vi, July 27, 1876, p. 401.
1876. REID, P. Blue Jay [*Cyanurus cristatus*]. < *Rod and Gun*, vii, Feb. 12, 1876, p. 339.
1876. SCHOCK, O. D. Charges against the Crow [*Corvus americanus*]. < *Forest and Stream*, vii, Aug. 17, 1876, p. 20.
1876. SCLATER, P. L., and SALVIN, O. Notes on some of the Blue Crows of America. < *P. Z. S.*, Feb. 15, 1876, pp. 268-272.  
*Cyanocitta germana*, p. 270, Belize, Piten, Merida, sp. n.: *C. armillata*, *γ. quindiana*, p. 272, Cordillera of Quindiu, var. n.  
Critical notes on *Cyanocitta argentigula*, *C. sanblasiana*, *C. beecheii*, *C. germana* (p. 270, sp. n.), *C. jolyæ* Bp., *C. armillata*, G. R. Gr., of which last are given as subspecies *meridana*, p. 271, *bogotana*, p. 272, and *quindiana* (subsp. n.), p. 272.—*Cyanocorax ortonii*, Lawr. = *C. mystacalis*, Geoffr.—Special note on the type of the genus *Cyanocitta*, which is *C. cristatus*.
1876. WEBSTER, N. B. Crows [*Corvus americanus*] seeking Water. < *Field and Forest*, vol. ii, No. 4, Oct., 1876, p. 65.  
By pecking into watermelons.
1877. COUES, E. Letters on Ornithology. No. 15.—Curious Crows [*Picicorvus columbianus* and *Gymnokitta cyanocephala*]. < *The Chicago Field*, July 14, 1877, 2 figg.  
Popular notices of these species, with figures of their heads.

1877. [INGERSOLL, E.] Crows [*Corvus americanus*]. < *Rod and Gun*, ix, Jan. 27, 1877, p. 266.  
From "New York Tribune."
1877. MILLER, H. The Crow [*Corvus americanus*]. < *Rod and Gun*, ix, Feb. 24, 1877, p. 329.  
Observations upon habits, capability, and utility.
1877. TENNEY, S. The Raven [*Corvus carnivorus*] and the Sooty Tern [*Sterna fuliginosa*] in Williamstown, Massachusetts. < *Am. Nat.*, xi, No. 4, Apr., 1877, p. 243.
1878. EAGLE, C. H. The Fish Crow (*Corvus ossifragus*, Wils.), on Long Island. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 47.  
With editorial note by J. A. Allen.
1878. HENSHAW, H. W. Nest and Eggs of the Blue Crow (*Gymnokitta cyanocephala*). < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, pp. 112-115.  
Also on the general habits of the bird. Cf. *Ibis*, 1878, p. 270.
1878. [QUAY, T. R.] Crimes of the Crow [*Corvus americanus*]. < *Forest and Stream*, x, May 2, 1878, p. 236.  
Opinion that the bird is rather injurious than beneficial to the agriculturist.
1878. [WILLARD, S. L.] The Jay of the North; Canada Jay [*Perisoreus canadensis*]. < *The Oölogist*, iv, No. 2, Apr., 1878, pp. 14, 15.  
Compiled account of the habits of the bird.
1878. [WILLARD, S. L.] Utility of the Crow [*Corvus americanus*]. < *The Oölogist*, iv, No. 5, July, 1878, p. 38.
1878. WILY, S. B. Nesting of the Canada Jay [*Perisoreus canadensis*]. < *The Oölogist*, iv, No. 4, June, 1878, p. 27.
1879. BREWER, T. M. The Rocky Mountain Whiskey-Jack (*Perisoreus canadensis capitalis*). < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 239, 240.  
On the nest and eggs of this bird, both of which are fully described.
1879. [CORDES, H.] The Crow [*Corvus americanus*] arraigned. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
1879. [COUES, E.] The Long Crested Jay-Bird [*Cyanurus macrolophus*]. < *Hamilton Freeman* (newspaper of Webster City, Iowa), Apr. 9, 1879.  
Editorial reprint, with comment, of the account of that species in "Birds of the Northwest," 1874, pp. 216-218.
1879. FLAGG, W. The Blue Jay [*Cyanurus cristatus*] in the East. < *Forest and Stream*, xiii, Dec. 18, 1879, p. 907.
1879. [GRINNELL, G. B.] Crows [*Corvus americanus*] in Caucus. < *Forest and Stream*, July 24, 1879, p. 485.  
Great flight of crows near Harper's Ferry, Va.
1879. [HARRIMAN, M. C.] *Corvus corax* in New Hampshire. < *Forest and Stream*, xii, Mar. 13, 1879, p. 106.  
Notice of capture of this species near the town of Warner, N. H.
1879. ZEREGA, L. A. Capture of a Fish Crow (*Corvus ossifragus*) near Seabright, Monmouth County, New Jersey. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 239.

*Addenda to Corrida.*

1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. New York*, i, 1815, pp. 21-184. > Note T, p. 129.  
Note T, to this discourse, is on the American Raven, *Corvus corax*.
1825. BONAPARTE, C. [L.] Descriptions of two new species of Mexican Birds. < *Journ. Acad. Nat. Sci. Phila.*, iv, 1825, pp. 387-390.  
At p. 387, *Corvus ultramarinus*; the other is an *Icterus*.

## Icteridæ.

1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. N. Y.*, i, 1815, pp. 21-184. > Note S, pp. 125-128.

Note S, appended to this discourse, treats of the plumages and migrations of the Bobolink, *Dolichonyx oryzivorus*.

1818. ORD, G. Observations on two species of the genus *Gracula* [*G. quiscula*, *G. barrita*] of Latham. < *Journ. Acad. Nat. Sci. Phila.*, i, 1818, pp. 253-260.

A critical article, distinguishing the Boat-tailed Grackle (*Quiscalus major* V.) from the Purple Grackle (*Q. purpureus*).

1819. LICHTENSTEIN, K. M. H. Ueber die Gattung *Gracula* aus der Familie der Krähenvögel (Coracæ). < *Abhandl. der Berlin. Akad.*, aus d. Jahren 1816-17, 1819, Phys. Classe, pp. 143-154. (Vorgelesen den 18. Juli 1816.)

This is the original; there is another edition in *Isis*, 1824, pp. 402-406, *q. v.*

The "genus" *Gracula* of this author is very extensive, including birds of several of the families recognized by modern ornithologists, among them the *Icteridæ*.

The species of *Gracula* treated are the following:—*Gracula religiosa*, p. 148; *G. calva*, p. 148; *G. tristis*, p. 148; *G. pagodarum*, p. 148; *G. cristatella*, p. 149; *G. carunculata*, p. 149, with several others of doubtful character.—The author then proceeds to treat the other Linnæan "*Graculæ*", i. e., *Icteridæ*, as follows:—*Quiscalus purpurea*, "n. sp.", p. 151 (but Bartram had called it *Gracula purpurea* in 1791!); *Q. fulgida*, n. sp., p. 151; *Q. navicularis*, n. sp., p. 151; *Q. saularis*, p. 151; *Q. jamaicensis*, p. —.

1824. LICHTENSTEIN, K. M. H. Dissertation sur le genre Martin ou Mainate (*Gracula*); par Lichtenstein. . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ii, 1824, p. 294.

Extrait des *Abhandl. Königl. Acad. Wiss. Berlin* pour les années 1816 et 1817, pp. 143-154.

1824. LICHTENSTEIN, K. M. H. [Abhandlung über *Gracula*. Auszug aus Abh. Königl. Akad. Wiss. Berlin aus d. Jahren 1816-17, 1819, SS. 143-154.] < *Oken's Isis*, Jahrg. viii, 1824, pp. 402-406.

Die Charaktere der verwandten Sippen, *Corvus*, *Coracias*, *Paradisæa*, *Gracula*. Die reinen *Graculæ* sind folgende sechs: *religiosa*, *calva*, *tristis*, *pagodarum*, *cristatella*, *carunculata*, p. 403. Zweifelhafte bleiben; *G. grisea* Daud., *GG. gingiviana*, *malabarica*, *icterops* Lath., *G. longirostra* Pall.—*GG. strepera*, *tibicen* und *varia* Shaw bilden besser eine eigene Sippe den Racken nahe.—*G. cayennensis* Gm. und *G. picoides* Shaw hat Hermann als *Dendrocopates* aufgestellt. Die andern *Graculæ* von Linné stellt der Verfasser als *Quiscalus* auf: *Q. purpurea* = *G. quiscula* Lath.; *Q. fulgida* Licht. = *Sturnus quiscula* Daud.; *Q. navicularis*; *Q. saularis*; *Q. jamaicensis* = *Sturnus jamaicensis* Daud.

1825. BONAPARTE, C. [L.] Descriptions of two new species of Mexican Birds. < *Journ. Acad. Nat. Sci. Phila.*, iv, 1825, pp. 327-330.

At p. 329, *Icterus melanicterus*; the other is a *Corvus*.

1825. VIGORS, N. A. On the genus *Icterus* Briss. < *Zool. Journ.*, ii, 1825, pp. 182-197, pll. suppl. 9, 10.

This, the second instalment of the series of articles entitled "Sketches on Ornithology; or," &c., treats of the family *Icteridæ* as now understood. Here occur the descriptions of *Xanthothorus chrysopterus*, sp. n., p. 190, pl. 9, and of *Leistes* (g. n., p. 191) *suchii*, sp. n., p. 192, pl. 10. (*Féruss. Bull.*, viii, 1826, pp. 111-113; *Isis*, 1830, 1013-1018.)

1826. BONAPARTE, C. [L.] On the distinction of two species of *Icterus*, hitherto confounded under the specific name of *Icterocephalus*. < *Journ. Acad. Nat. Sci. Phila.*, v, 1826, pp. 222-225.

*Icterus xanthocephalus*, n. sp., p. 223.

1826. LESSON, [R. P.] Esquisses ornithologiques, etc., etc. Du genre *Icterus* de Brisson; par N. A. Vigors. . . < *Féruss. Bull.*, 2<sup>e</sup> sect., viii, 1826, pp. 111-113. *Zool. Journ.*, ii, No. 6, 1825, pp. 182-197.

1827. LESSON, R. P. Sur les distinctions à établir entre deux espèces d'Icterus, jusqu'à ce jour confondues sous le nom spécifique d'Icterocephalus; par Ch. Bonaparte. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xii, 1827, pp. 266, 267.  
*Journ. Acad. Phila.*, vi, 1826, pp. 222-225.
1830. VIGORS, N. A. Ornithologischen Skizzen, Fortsetzung. < *Oken's Isis*, Bd. xxiii, pp. 1013-1015.  
 Uebersetzt aus d. *Zool. Journ.*, vol. ii, Nro. vi, 1825, pp. 182-197.
1836. ORD, G. Observations on the Cow Bunting [*Molothrus ater*] of the United States of America. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 57-71.  
 On its oviposition, parasitism, &c.
1837. BREWER, T. M. Remarks on the positions assumed by George Ord, Esq., in relation to the cow black-bird, (*Icterus agripennis* [i. e., *Molothrus ater*]) in *London's Magazine* for February, 1836. < *Journ. Bost. Soc. Nat. Hist.*, i, pt. iv, 1837, pp. 418-435. (Read July 6, 1836.)  
 "Icterus agripennis" is a name of the Bobolink (*Dolichonyx oryzivorus*), not of the species treated in this paper.
1839. LINSLEY, J. H. Notice of *Vespertilio pruinosus* and *Icterus* [*Agelaius*] *Phoeniceus*. < *Sillim. Am. Journ. Sci.*, xxxvii, 1839, pp. 195, 196.  
 On the carnivorous habits of the Blackbird.
1843. CABOT, S., JR. [*Oriolus musicus*, sp. n., from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, p. 155.  
 This is an *Icterus*, supposed to be the same as that figured by Cassin in *Journ. Phila. Acad.*, ii, 1848, pl. 17 (*giraudii*).
1843. GURNEY, J. H. Note on the occurrence of the red-winged *Icterus* [*Agelaius phoeniceus*] near Norwich. < *Zoologist*, i, 1843, p. 317.
1844. LAFRESNAYE, [F.] DE. < G. *Icterus*. Briss. I. guttulatus. Lafresn. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1844, Oiseaux, pp. 1-4, pl. 52.  
*Icterus mentalis* Lafr.. *R. Z.*, 1842, p. 136.
1847. CASSIN, J. Descriptions of three new species of the genus *Icterus* (Briss.); specimens of which are in the Museum of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, pp. 332-334.  
*I. maculi-alatus*, *I. auricapillus*, p. 332; *I. giraudii*, p. 333.
1847. TARRAGON, [L.] DE. Description d'une nouvelle espèce de Cassique [*Cassicus pyrohypogaster*], et note sur le *Macronix Amelie*. < *Revue Zoologique*, x, 1847, pp. 252, 253.
1848. CASSIN, J. Description of three new species of the genus *Icterus*, (Briss.); specimens of which are in the Museum of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, ii, pt. ii, Aug., 1848, art. xi, pp. 137, 138, pl. xvi, xvii.  
*I. maculi-alatus*, p. 137, pl. xvi, f. 1; *I. auricapillus*, p. 137, pl. xvi, f. 2; *I. giraudii*, p. 138, pl. xvii. Described the year previous in *Proc. Phila. Acad.*, iii, pp. 332-334.
1850. STRICKLAND, H. E. *Xanthornus prothemelas*, Strickland [sp. n.]. < *Jard. Contrib. Ornith.*, 1850, p. 120, pl. lxii.
1852. LAWRENCE, G. N. Descriptions of new species of Birds of the genera . . . and *Xanthornus* [affinis], . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 112-117, pl. v. (Read Apr. 28, 1851.)  
 Here occurs, in a paper of wider scope, full title of which is in the N. Am. part of this Bibl., the orig. descr. of the above sp., p. 113.
1852. [READ, M. C.] Cow Blackbird [*Molothrus ater*]. < *The Family Visitor*, vol. iii, 1852, p. 68.  
 A popular article, giving numerous species in the nests of which eggs of the Cowbird have been found.
1853. ANON. "Could 'nt! Ces he Sung so?" < *Zoologist*, xi, 1853, p. 3952.  
 From *Clinton (U. S.) Courant*. Note of a young person's inability to throw a stone at *Dolichonyx oryzivorus*, for the reason stated in the title.

1854. GLOGER, C. W. L. Das geschlechtliche Verhältniss bei den nicht selbst brütenden Vögeln. < *J. f. O.*, ii, 1854, pp. 137-143.

The general relations of parasitic birds illustrated in the case of *Molothrus ater*.

1856. [BILLINGS, E.] On the Bob-link or Rice-Bird, (*Dolichonyx orzivora* [sic].) < *Canad. Nat. and Geol.*, i, June, 1856, pp. 233-237.

1861. SCLATER, P. L. [Exhibition of a Specimen of the American Meadow-Starling (*Sturnella magna*) shot in Suffolk, England.] < *P. Z. S.*, xxix, 1861, p. 30.

1861. SCLATER, P. L. Notice of the occurrence of the American Meadow-Starling (*Sturnella ludoviciana* [magna]) in England. < *Ibis*, iii, 1861, pp. 176-180.

Concludes with observations on the genus and a synopsis of 5 spp., namely: *ludoviciana*, *neglecta*, *hippocrepis* (Cuba), *mexicana* (Mexico), p. 179, and *meridionalis* (South America), p. 179—the two last being new.

1864. JEFFERY, W., JR. The Redwinged Starling [*Agelaius phœniceus*] in Sussex. < *Zoologist*, xxii, 1864, p. 8951.

1865. JESSE, W. Redwinged Starling [*Agelaius phœniceus*] near Liphook. < *Zoologist*, xxiii, 1865, p. 9782.

1865. SHIMER, H. [On a supposed new Species of *Icterus* from Illinois (= *I. spurius*).] < *Trans. Acad. Sci. St. Louis*, ii, pt. ii, 1865, pp. 260, 261.

1866. CASSIN, J. A Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 10-25. (Continued *ibid.*, pp. 403-417, and *op. cit.*, 1867, pp. 45-74.)

*Agelaius*: 7 gem., 46 spp.—*Macrøagelaius*, p. 13; *Agelaioides*, p. 15; *Erythropsar*, p. 17; *Callothrux*, p. 18; *Cyanothrus*, p. 19, subgg. nn. *Dolichonyx fuscipennis*, p. 16; *Molothrus canisii*, p. 22; *M. rufo-axillaris*, p. 23, spp. nn.

1866. CASSIN, J. A Second Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 403-417. (Continued from *ibid.*, pp. 10-25; continued, *op. cit.*, 1867, pp. 45-74.)

*Icteridæ*: 5 gem., 28 spp.—*Holotris*, p. 404; *Megatris*, p. 409; *Euphagus*, *Dives*, p. 413; *Idiopsar*, p. 414, gg. nn. *Quiscalus gundlachii*, *Q. brachypterus*, p. 406; *Q. mexicanus*, p. 408; *Q. rectirostris*, p. 409; *Idiopsar brachyurus*, p. 414, spp. nn.

1866. EDWARD, T. Redwinged Starling (*Sturnus predatorius* [*Agelaius phœniceus*]) in Scotland. < *Zoologist*, 2d ser., i, 1866, p. 310.

1866. MONK, T. J. Redwinged Starling [*Agelaius phœniceus*] at Brighton. < *Zoologist*, 2d ser., i, 1866, p. 229.

1867. CASSIN, J. A Third Study of the Icteridæ. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 45-74. (Continued from *ibid.*, pp. 403-407, and *op. cit.*, 1866, pp. 10-25.)

*Icteridæ*, more monographically treated than the other groups were in previous "Studies." *Euopsar*, p. 47; *Andriopsar*, p. 49; *Ateleopsar*, p. 53; *Cassiduloides*, p. 54; *Poliopsar*, p. 55; *Melanopsar*, p. 56; *Icterioides*, p. 60; *Melanophantes*, *Aporophantes*, p. 63, gem. nn. *Icterus graysonii*, p. 48; *Icterus sclateri*, p. 49; *Icterus salvinii*, p. 41; *I. grace-annæ*, p. 52; *Cassicus melanurus*, p. 66, spp. nn. Cf. *Ibis*, 1868, p. 115.

Mr. Cassin's "Studies" were protracted and faithful, representing our leading monograph of this family, notwithstanding that the author pushed his generic subdivision so far, and described in some cases very slight geographical modifications as distinct species. It was one of his last works, as this hand paused Jan. 10, 1869.

1867. JESSE, W. Redwinged Starling [*Agelaius phœniceus*] near Liphook. < *Zoologist*, 2d ser., ii, 1867, p. 913.

1868. BREWSTER, W. A variety of the Blackbird [*Agelaius phœniceus*]. < *Am. Nat.*, ii, 1868, pp. 217, 218.

Marked with orange on the breast.

1868. "F. W." The Crow Blackbird [*Quiscalus versicolor*] a Robber. < *Am. Nat.*, ii, Aug., 1868, p. 326.

Note on breeding, and on stealing the material from other birds' nests.

1868. JACKSON, T. H. The Cow-bunting [*Molothrus ater*]. < *Am. Nat.*, ii, 1868, p. 490.

Its eggs found in nests of *Sayornis fuscus*, *Empidonax acadicus*, *Icteria viridis*, and *Pyrranga rubra*.

1868. McLAUGHLIN, W. J. The Yellow-headed Blackbird (*Xanthocephalus icterocephalus* Baird). < *Am. Nat.*, ii, 1868, pp. 493, 494.  
Biographical note from Centralia, Kansas, with editorial note on geographical distribution.
1869. KEDNEY, H. S. The Cow Bunting [*Molothrus ater*]. < *Am. Nat.*, iii, 1869, p. 550.  
Plural eggs of *Molothrus ater* in nests of *Zonotrichia leucophrys* and *Contopus virens*.
1869. ["F. W."] The Crow Blackbird [*Quiscalus versicolor*] a Robber. < *Zoologist*, 2d ser., iv, 1869, pp. 1603, 1604.  
From 'American Naturalist,' Aug., 1868, p. 326.
1869. RIDGWAY, R. Notices of certain obscurely known species of American Birds. < *Proc. Acad. Nat. Sci. Phila.*, xxi, 1869, pp. 125-135, woodcc.  
III. The Smaller Quiscalid of the United States, pp. 133-135, figg. 1-3; 3 spp.—*Q. œneus*, sp. n., p. 134, f. 2.  
The article also treats of species of I. *Hylocichla* and II. *Pyrranga*. (See under *Turdidæ* and *Tanagridæ*.)
1869. STERNBERG, C. Zur Fortpflanzungsgeschichte des Vichstaares, *Molobrus sericeus* (Licht.). < *J. f. O.*, xvii, 1869, pp. 125-136.  
Mit Bemerkungen vom Herausgeber.
1869. [STERNBERG, C.] Fortpflanzung des Vichstaares (*Molobrus sericeus* [lege *sericeus*]). < *Aus der Natur*, xlix, oder n. F., xxxvii, 1869, pp. 595-597.  
Nach C. Sternberg's Artikel in *J. f. O.*, 1869, pp. 125-136, mitgetheilt.
1869. TRIPPE, T. M. The Cow Blackbird [*Molothrus ater*]. < *Am. Nat.*, iii, 1869, pp. 291-294.  
An extended notice of the habits of this species, with special reference to the birds in the nests of which its eggs have been found.
1870. COUES, E. The Cow Bird [*Molothrus ater*]. < *Am. Nat.*, iv, 1870, p. 58.  
Inquires whether the eggs of *Molothrus ater* vary in any way connected with the character of the eggs of different birds selected as foster parents, with reference to A. Newton's observations to this effect in case of *Cuculus canorus*.
1870. COUES, E. The Natural History of *Quiscalus major*. < *Ibis*, 2d ser., vi, 1870, pp. 367-378.  
A full account of the habits of the bird as observed by the writer at Fort Macon, North Carolina.
1870. HOWELL, R. Blackbirds [*Icteridæ*] in Winter. < *Am. Nat.*, iv, 1870, p. 52.  
*Molothrus ater* and *Scolecophagus ferrugineus* in Tioga Co., N. Y.
1870. SAUSSURE, H. DE. Los Tordos [*Icteridæ*]. < *La Naturaleza*, i, 1870, pp. 352-358.  
Sobre las costumbres. "Con esta nombre [tordo] designaron los Españoles un grupo interesante de aves americanas, por tener algunas de sus especies semejanza en cuanto al color, con los tordos de Europa [*Sturnida*?], de los que sin embargo son de géneros enteramente distintos."
1871. BREWER, T. M. [Remarks on exhibition of a nest of *Icterus baltimore*.] < *Proc. Boston Soc. Nat. Hist.*, xiii, 1871, pp. 411, 412.
1871. COUES, E. The Yellow-headed Blackbird [*Xanthocephalus icterocephalus*]. < *Am. Nat.*, v, 1871, pp. 195-200, with a fig.  
Extended biography of this species, with allusions to various other birds observed in Kansas.
1871. COUES, E. Bullock's Oriole [*Icterus bullocki*]. < *Am. Nat.*, v, 1871, pp. 678-682, fig. 120.  
Extended biography.
1871. COUES, E. Singular albino [of *Dolichonyx oryzivorus*]. < *Am. Nat.*, v, 1871, p. 733.
1871. GILLMAN, H. Albino Swamp Blackbird [*Agelaius phœniceus*]. < *Am. Nat.*, v, 1871, p. 251.
1871. NEWMAN, E. On the Occurrence of the American Meadow Lark (*Alauda* [*Sturnella*] *magna* of Wilson) in Great Britain. < *Zoologist*, 2d ser., vi, 1871, pp. 2557-2560.



1872. BARCENA, M. Apuntes para la ornitología Mexicana.—Costumbres del Quiscalus macrourus. < *La Naturaleza*, ii, 1872, pp. 203-207.
1872. BREWER, T. M. [Note on the North American Forms of Quiscalus.] < *Proc. Boston Soc. Nat. Hist.*, xiv, 1872, p. 205.
1872. HALDEMAN, S. S. Note of Icterus baltimore [written in musical notation]. < *Am. Nat.*, vi, 1872, p. 234.
1872. HOLTZ, L. Ueber Molobrus-Eier, zu Cantagallo in Brasilien von Herrn C. Euler gesammelt. < *J. f. O.*, 1872, pp. 193-201, pl. I, fig. i.  
In continuation of the subject from *op. cit.*, 1870, pp. 15-19. The species are not given. Eggs are figured, pl. I, f. a-e.
1872. KEDNEY, H. S. Occurrence of the Orchard Oriole [Icterus spurius] in South Carolina. < *Am. Nat.*, vi, 1872, pp. 49-51.  
With observations on its habits.
1872. LAWRENCE, G. N. Descriptions of New Species of Birds of the Genera Icterus and Synallaxis. < *Ann. Lye. Nat. Hist. N. Y.*, x, 1872, pp. 184-186.  
*Icterus formosus*, p. 184 (Tehuantepec).
1872. LOCKWOOD, S. The Baltimore Oriole [Icterus baltimore] and Carpenter-Bee. < *Am. Nat.*, vi, 1872, pp. 721-724.  
Popular account of the manner in which the bird feeds upon *Xylocopa carolina*.
1872. SCLATER, P. L. [Exhibition of a nest of the Tijereta (Milyulus Tyrannus) containing eggs of Molothrus bonariensis.] < *P. Z. S.*, 1872, p. 862.
1873. CABANIS, J. [Ueber Ostinops angustifrons Spix, O. atrovirens d'Orb., und O. atrocassanensis, n. sp.] < *J. f. O.*, 1873, pp. 308, 309.
1873. FOULKS, O. D. The Red-winged Blackbird [Agelaius phoeniceus]. < *Am. Sportsman*, iii, 1873, p. 92.
1873. NEWMAN, E. Molothrus sericeus in Devon. < *Zoologist*, 2d ser., viii, 1873, p. 3411.  
Presumed to have escaped from confinement.
1873. ORTON, J. Meadow Lark [Sturnella magna] with Four Legs. < *Am. Nat.*, vii, 1873, p. 175.
1874. "D. S." A Semi-domesticated Blackbird. < *Am. Sportsman*, iv, 1874, p. 28.
1874. "F. S. B." The Western lark—Sturnella Neglecta [i. e., Sturnella magna, var. neglecta]. < *Forest and Stream*, ii, Apr. 9, 1874, p. 134.
1874. HUDSON, W. H. Notes on the Procreant Instincts of the three Species of Molothrus found in Buenos Ayres. < *P. Z. S.*, xlii, 1874, pp. 153-174.  
An extended and interesting article, giving much information, with suggestive deductions.
1874. JENKS, J. W. P. Instinct or Reason. < *Am. Sportsman*, v, Dec. 5, 1874, p. 145.  
Sagacity of Orioles (*Icterus baltimore*) in giving extra support to their nest after experience had proved that its fastenings were weak; also, departure from type of architecture to meet an emergency in the case of the Boat-tailed Grackle (*Quiscalus major*).
1874. MAYNARD, C. J. Orchard Oriole (*Icterus spurius*). < *Am. Sportsman*, iv, 1874, p. 155.  
Occurring at Ipswich, Mass., and breeding at West Meriden, Conn.
1874. MEEHAN, T. [Frugivorous] Habits of the Orchard Oriole [Icterus spurius]. < *Proc. Acad. Nat. Sci. Phila.*, xxvi, 1874, p. 84.
1874. SCLATER, P. L. On Centropsar, an apparently new Form of the Family Icteridae. < *P. Z. S.*, xlii, Mar. 3, 1874, pp. 175, 176, pl. xxvi, woodce.  
*Centropsar mirus* (sane mirabile dictu!), g. sp. n.; cf. *P. Z. S.*, 1875, p. 380.
1875. BATTY, J. H. Natural [history] researches in the Sierras. < *Rod and Gun*, vi, June 5, 1875, p. 146.  
Song and characteristics of *Sturnella magna* var. *neglecta*.
1875. COUES, E. Albino Black-bird [Xanthocephalus icterocephalus]. < *Rod and Gun*, vi, Apr. 10, 1875, p. 24.

1875. "C. S. W." [INGERSOLL, E.] [Information as to the different birds in whose nests *Molothrus ater* has been observed to lay.] < *Forest and Stream*, v, Dec. 16, 1875, p. 292.
1875. DAVIS, F. J. The Rusty Blackbird. (*S[colecophagus]. ferrugineus.*) < *Oölogist*, i, pt. 5, 1875, pp. 37, 38, with figure.
1875. DUBOIS, A. Descriptions de quelques Oiseaux Nouveaux. < *Bull. Acad. Roy. Belgique*, 2<sup>e</sup> sér., xl, No. 12, Dec., 1875, pp. 13-17.  
Only seen separate.—Of *Icteridae* there are here described: *Icterus virrescens*, p. 15, Mexico; *Icterus xanthornus* var. *dubusii*, p. 16, Panama; and *I. x.* var. *marginalis*, p. 17, Panama. The article also describes *Cyanocitta yucatanica*, sp. n., p. 13.
1875. F[REEMAN], C. M. The Baltimore Oriole [*Icterus baltimore*]. < *Oölogist*, i, 1875, p. 46.
1875. SCLATER, P. L. [Remarks on exhibition of the typical specimen of *Centropus mirus*.] < *P. Z. S.*, June 1, 1875, p. 350.  
Genus fictitum; avis artefacta, capite *Icteri* (*auduboni*?), caudâ *Agelaii phoenicea*, pedibus *Eremophila alpestris*, instructa. Cf. *J. f. O.*, xxii, 1874, p. 458.
1875. ANON. A Word for the Birds [*Icteridae*]. < *Rod and Gun*, vi, Sept. 11, 1875, p. 364.  
Reprint from Boston "Advertiser" concerning utility of Blackbirds in destroying army worms.
1876. FOWLER, H. G. Asylums of the Cow-bird [*Molothrus ater*]. < *Forest and Stream*, vii, Aug. 10, 1876, p. 4.  
List of birds in whose nests eggs of this species have been found; to which is added editorial [INGERSOLL, E.] note.
1876. "FRANK." Black Birds [*Icteridae* of New York State]. < *Rod and Gun*, viii, July 15, 1876, p. 244.
1876. INGERSOLL, E. A Summer Bird [*Icterus baltimore*]. < *Harper's New Monthly Mag.*, liii, p. 574-578; illustration of nest.
1876. RAGSDALE, G. H. Nesting of the Hooded Oriole [*Icterus cucullatus*] in Cooke County, Texas. < *Oölogist*, ii, No. 8, 1876, p. 57.
1876. ANON. A Golden Robin [*Icterus baltimore*]. < *Rod and Gun*, viii, Aug. 19, 1876, p. 325.  
Successful amputation of wild oriole's leg. From "Boston Post".
1877. BREWER, T. M. [Remark on the eggs of *Molothrus bonariensis*.] < *Proc. Boston Soc. Nat. Hist.*, xix, 1877, p. 76.
1877. W[ILLCOX], J. Crow Blackbirds [*Quiscalus versicolor*] eat fish. < *Forest and Stream*, viii, Apr. 5, 1877, p. 129.
1877. MERRILL, J. C. Notes on [the habits of] *Molothrus æneus*, Wagl. < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, pp. 85-87.
1877. RAGSDALE, G. H. The Nesting of the Hooded Oriole [*Icterus cucullatus*] in Cooke Co., Texas. < *Forest and Stream*, vii, Feb. 1, 1877, p. 404.  
From *Oölogist*, ii, 1876, p. 57.
1877. WILLCOX, J. On the [fish-eating] Habits of *Quiscalus purpureus*. < *Proc. Phila. Acad. Nat. Sci.*, 1877, p. 38.
1878. BAILEY, T. S. That Nondescript Egg. < *The Oölogist*, iv, No. 4, June, 1878, p. 25.  
Decided to be that of *Quiscalus purpureus*. The article also gives an account of a hybrid between *Gallus bankivi* var. and *Numida meleagris*.
1878. BAILEY, T. S. A Stray Egg. < *The Oölogist*, iv, No. 3, May, 1878, p. 19.  
Of *Molothrus ater*, in nest of *Spizella pusilla*.
1878. BARBER, E. A. Ornithological Notes. < *Am. Nat.*, xii, No. 7, July, 1878, pp. 477, 478.  
On peculiarities in oviposition of *Molothrus ater* and *Sturnella magna*.
1878. [WILLARD, S. L.] Flocking of *Quiscalus purpureus*. < *The Oölogist*, iv, No. 2, Apr., 1878, p. 15.

1878. [WILLARD, S. L.] The Cow-bird [*Molothrus ater*] a Polygamist. < *The Oölogist*, iv, No. 1, Mar., 1878, p. 7.
1878. [WILLARD, S. L.] A Nondescript Egg. *The Oölogist*, May, 1878, pp. 17-19.  
Supposed to be the produce of *Turdus migratorius* *z.* *Quiscalus purpureus*!
1879. BREWER, T. M. The Cow-Blackbird of Texas and Arizona (*Molothrus obscurus*). < *Bull. Natl. Ornith. Club*, iv, No. 2, Apr., 1879, p. 123.  
Dr. J. C. Merrill's correction of "a grave error" of the writer's respecting the eggs of this bird.
1879. [CHAPMAN, W. L.] Albinos [*Scolecophagus cyanocephalus*?]. < *Forest and Stream*, xiii, Dec. 18, 1879, p. 907.
1879. DUGÈS, E. [Flocking of *Molothrus ater* (var. *obscurus*!).] < *The Oölogist*, iv, No. 10, May, 1879, p. 84.  
Quoted from a letter to the Smithsonian Institution, published by S. F. Baird in *Harper's Weekly*: refers to a certain flight supposed to have been 12,000 yards in length, six yards wide, and probably over a yard deep, estimated to contain 9 or 10,000,000 individuals.
1879. EDITORIAL. [Eggs of *Molothrus ater* in Nests of *Turdus migratorius* and *Quiscalus versicolor*.] < *The Oölogist*, iv, No. 10, May, 1879, pp. 78, 79.  
Two untitled paragraphs, from Rev. J. Walton and C. W. Strumberg, with editorial comment.
1879. GRAY, A. F. Albino Bobolink [*Dolichonyx oryzivorus*]. < *Science News*, i, No. 19, Aug. 1, 1878, p. 304.
1879. INGERSOLL, E. Breeding Habits of the Hooded Oriole [*Icterus cucullatus*]. < *The Oölogist*, iv, No. 7, Feb., 1879, pp. 49, 50.  
From advance sheets of his "Nests and Eggs of American Birds."
1879. INGERSOLL, E. Breeding Habits of obscure American Birds. The Hooded Oriole [*Icterus cucullatus*]. < *The Field* (London), liv, No. 1,394, Sept. 13, 1879, p. 374.
1879. RATHBUN, F. R. Golden Bird of Silver Song [*i. e.*, *Icterus baltimore*]. < *Auburn (N. Y.) Daily Advertiser*, May 21, 1879.  
Popular account of habits.
1879. SENNETT, G. B. The Great-tailed Grackle (*Quiscalus macrurus*). < *The Oölogist*, iv, No. 7, Feb., 1879, pp. 53, 54.  
Quoted from his paper in *Bull. U. S. Geol. and Geogr. Surv. Terr.*, iv, No. 1, 1878, pp. 1-66; relating to the habits of the bird as observed in Texas.
1879. [WILLARD, S. L.] Two Nests of *Icterus baltimore*. < *The Oölogist*, iv, No. 6, Jan., 1879, p. 42.
1879. [WILLARD, S. L.] [Eggs of *Molothrus ater* in nest of *Turdus migratorius*.] < *The Oölogist*, iv, No. 9, Apr., 1879, p. 65.

## Tanagridæ.

1777. ANON. Description d'un nouveau Gros-becc de la Guiane. < *Obs. sur la Phys.* (Rozier). x, 1777, pp. 244, 245.  
Pas vue moi-même.—N'est-ce pas la *Loxia erythromelas* Gm., c'est-à-dire, *Pitylus erythromelas*?
1792. BOSC, L. *Tanagra humeralis*. < *Journ. d'Hist. Nat.*, ii, 1792, pp. 179, 180.  
Not seen.—I do not know that this comes under *Tanagridæ* as now understood.
- 1805-18—. DESMAREST, A. G. Histoire Naturelle | des | Tanagras. | des Manakins et des Todiers. | par Anselme-Gaëtan Desmarest: | Avec figures imprimées en couleur, d'après les dessins de Mademoiselle | Pauline de Courcelles, élève de Barrabaud. | — | Paris. | Garnery, Rue de Seine: | Delachaussee, Rue de Temple, N.º 37. | XIII.=1805. gr. folio, not paged, 72 pll. not numbered.  
Published in 12 livraisons, 1805 being the date of the first. The plates, by Mlle. de Courcelles (whom Temminck afterward knew very well as Mme. Knip), are very fine: Desmarest's letterpress is not specially noteworthy. The work, however, is "classic." By some fantasy, or marvellous oversight, in punishment for which the work ought to be banished from good society, not only is the text unpagged, but also are the plates unnumbered. The only clue by which they can be cited is the indirect avis servant de table at the end. According to this, the following is the order of the plates: 1. *Tanagra tatao*. 2. *Motacilla celia*. 3, 4. *Tanagra tricolor*. 5. *T. mexicana*. 6. 7. *T. gyrola*. 8. 9. *T. punctata*. 10. *T. cayana*. 11. *T. peruviana*. 12. 13. 14. *T. gularis*. 15. 16. *T. episcopa*. 17. 18. *T. archiepiscopus*, nob. 19. 20. *Pipra musica*. 21. 22. 23. *Tanagra violacea*. 24. 25. *T. chlorotica*. 26. *T. cayenensis*. 27. *Euphonia olivacea*, nob. 28. 29. *Tanagra brasilia*. 30. 31. *Tanagra jacapa*. 32. 33. *T. mississippiensis* (sic). 34. *T. rubra*. 35. 36. 37. *T. olivacea* Gm.!!! 38. 39. 40. *T. silens* Lath. 41. *T. pileata*. 42. *T. atra*. 43. *T. magna*. 44. *T. guianensis*. 45. 46. *T. nigerrima*. 47. 48. 49. *T. cristata*. 50. 51. 52. 53. *Pipra parvula*. 54. 55. 56. 57. *T. aureola*. 58. *P. gutturosa*, nob. 59. *P. leucocapilla*. 60. 61. *P. erythrocephala*. 62-64. *P. serena*. 63-65. *P. gutturalis*. 66. *P. albifrons*. 67. *Todus viridis*. 68. *T. cinereus*. 69. *T. griseus*, nob. 70. *T. maculatus*, nob. 71. *T. sylvia*, nob. 72. *T. platyrhynchos* (sic). All these, except those marked nob. and one of Latham, are ascribed to Gmelin: but the identification, in some cases, is very wild.—The genera *Euphonia* and *Ramphocelus* are new.
1826. SWAINSON, W. A Monograph of the genus Tachyphonus, a group of Birds belonging to the Tanagrie L. < *Quart. Journ. Sci. Lit. Arts Roy. Inst.*, xx, 1826, pp. 60-69. (*Féruss. Bull.*, 2e sect., xi, 1-27, pp. 111-113.)  
Not seen in this form: there is an edition in *Isis*, 1833, pp. 934, 935.
1827. LESSON, [R. P.] Monographie du genre Tachyphonus. . . . par William Swainson. . . . < *Féruss. Bull.*, 2e sect., xi, 1-27, pp. 111-113.  
Précis de cet ouvrage.
1829. LUND, P. W. De genere Euphones præsertim de singulari canalis intestinalis structurâ in hocce avium genere, auctore Dr. P. W. Lund. 8vo. Havniæ, 1829.  
Not seen.—Cf. *Friøriep's Notizen*, 1830, No. 573; *Férussac's Bull.*, 2e sect., xxii, 1830, p. 121.
1831. ANON. De genere Euphones, præsertim de singulari canalis intestinalis structura in hocce avium genere, auct. Dr. P. W. Lund. Havniæ ap. Brummer, 29, s. 32, tab. < *Oken's Isis*, Bd. xxiv, 1831, pp. 733, 734.  
Übersicht und Auszug.
1833. BONAPARTE, C. L. Ueber einen neuen Ramphocelus [passerini] aus Cuba. < *Oken's Isis*, Bd. xxxvi, Jahrg. 1833, p. 755.
1833. SWAINSON, W. Monographie von Tachyphonus. < *Oken's Isis*, Jahrg. 1833, pp. 934, 935.  
Auszug aus d. *Quart. Journ. Sci. Roy. Inst.*, xx, 1826, pp. 60-69. Diagnostik von 9 Arten.
1834. SUNDEVAL, C. J. Några arter af Fågelslägtet Euphone. < *Könl. Svensk. Vetensk.-Acad. Handl. för* 1833, 1834, pp. 308-312, pll. 10, 11.  
*E. ænea*, p. 309, pl. 11, f. 4; *E. xanthogaster*, p. 310, pl. 10, f. 1; *E. chlorotica*, p. 310, pl. 10, f. 2, 3; *E. aurora*, p. 312, pl. 11, f. 5.

1835. JAMESON, R. [Tanagra nigricephala, n. sp.] < *L'Institut*, iii, 1835, p. 316.  
Not seen.—This is the Jamaican *Spinadalis* (Jard., 1837) *nigricephala*; see Jard. & Selby, *Ill. Orn.*, pl. 9; Des Murs, *Id. Orn.*, pl. 40; Gosse, *Ill. B. Jan.*, pl. 56.
1837. LAFRESNAYE, F. DE. Notice sur le groupe des Tangaras Rhamphocèles et sur toutes les espèces qui le composent, et description d'une nouvelle espèce de cette division. < *Guér. Mag. de Zool.*, 7<sup>e</sup> année, 1837, classe ii, notice lxxxi, pp. 1-4, pl. lxxxi.  
Six espèces de cette division. Pl. 81, *Rhamphocelus dimidiatus*, sp. n.
1838. BONAPARTE, C. L. Nouvelle espèce d'oiseau du genre Rhamphocèle [Rhamphocelus icteronotus]. < *Revue Zoologique*, i, 1838, p. 8.
1838. LAFRESNAYE, [F.] DE. Nouvelle espèce d'oiseau du genre Rhamphocèle [Rhamphocelus luciani]. < *Revue Zoologique*, i, 1838, p. 54.
1839. DUBUS DE GHISIGNIES, V. B. Description d'un Tanagra nouveau [T. humilata]. < *Bull. Acad. Bruxelles*, vi<sup>e</sup>, 1839, p. 439, pl. (*L'Inst.*, vii, No. 310, 1839, p. 428.)  
Not seen.
1839. LAFRESNAYE, F. DE. G. Tangara. Tanagra. Linné. (Groupe des Rhamphocèles, Rhamphocelus.) T. (Rh.) de Lucien. T. (Rh.) Luciani. Lafresn. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1839, Ois., pp. 1, 2, pl. 2.
1839. TRUDEAU, J. Description of the White-winged Tanager, (Pyrranga leucoptera.) < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 160.
1840. PASSERINI, [C.] [Note sur la propagation de la Paroaria cucullata en Europe.] < *Revue Zoologique*, iii, 1840, p. 28.
1841. BOISSONNEAU, —. G. Tangara. Tanagra. Linné. (Groupe des Tangaras Euphones.) T. de Vassor. T. vassorii. Boissonneau. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1841, Oiseaux, pp. 1, 2, pl. 23.  
*Rev. Zool.*, 1840, p. 4.
1841. HARTLAUB, [G.] Description d'une nouvelle espèce du genre Tangara [T. iridina]. < *Revue de Zoologique*, iv, 1841, p. 305.
1841. LAFRESNAYE, [F.] DE. [Tangara iridina Hartl. = Tanagra velia Vieill.] < *Revue Zoologique*, iv, 1841, pp. 305-307.
1841. PASSERINI, C. Notizie | sulla moltiplicazione in Firenze negli anni 1837, 1838, 1839 | dell' Uccello Americano | Paroaria cucullata | chiamato volgarmente Cardinale | Lette in Pisa | alla sezione di Zoologia della prima riunione degli Scienziati Italiani | il 7 Ottobre 1839 | da Carlo Passerini | [ec., 1<sup>a</sup> linie] | — | Firenze | tipografia Pezzati | 1841 folio. pp. 8, 1 pl.  
La tavola colorata, dei cinque figure, mostra gl' uccelli (il maschio e la femmina), il piccolo, il nido, e l' uova. Cf. *Rev. Zool.*, v, 1842, pp. 280, 281.
1842. LAFRESNAYE, F. DE. Sur quelques Oiseaux. < *Revue Zoologique*, v, 1842, pp. 69, 70.  
*Certhiurus*, g. n., p. 69; *Pyrranga bicittata*, sp. n., p. 70.
1843. LAFRESNAYE, [F.] DE. G. Tangara. Tanagra. L. T. (Aglaia) de Parzudaki. T. (Aglaia) Parzudaki. Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Ois., pp. 1, 2, pl. 41.  
*Rev. Zool.*, 1843, p. 97.
1843. [LAFRESNAYE, F. DE.] G. Tangara. Tanagra. L. T. (Euphonia) de prêtre. T. (Euphonia) Pretrei. De Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Ois., pp. 1, 2, pl. 42.
1843. [LAFRESNAYE, F. DE.] G. Tangara. Tanagra. L. T. (Aglaia) vert noiset. T. (Aglaia) nigroviridis. De Lafr. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1843, Ois., pp. 1, 2, pl. 43.  
*R. Z.*, 1843, pp. 97 and 69.
1844. BUCKLER, C. Note on the occurrence of the Red-breasted Tanager [Rhamphospis purpureus], near Cheltenham. < *Zoologist*, ii, 1844, p. 444.
1844. LAFRESNAYE, [F.] DE. G. Lamprotes. Swainson. L. albo-cristatus. De Lafresnaye. < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1844, Oiseaux, pp. 1, 2, pl. 50.  
*Bull.*, v, 4—7

1846. CABOT, S., JR. [*Pyrranga roseo-gularis*, sp. n.] < *Proc. Boston Soc. Nat. Hist.*, ii, 1846, p. 187.
1846. CABOT, S., JR. Description of *Pyrranga roseo-gularis*, (Rose-throated Tanager.) < *Journ. Boston Soc. Nat. Hist.*, v, pt. iii, 1846, p. 416.
1846. LAFRESNAYE, F. DE. Sur une nouvelle espèce d'Enphone (*Euphonia* [cinerea]). < *Revue Zoologique*, ix, 1846, pp. 277, 278.
1846. LAFRESNAYE, F. DE. Sur le *Ramphocelus Icteronotus* du prince Bonaparte. < *Revue Zoologique*, ix, 1846, pp. 365-370.  
Avec synopsis de 10 esp. du genre.
1846. LAFRESNAYE, [F.] DE. Sur le Lanion huppé, *Lanio cristatus* de Vieillot, et sur une nouvelle espèce du genre Lanion. < *Revue Zoologique*, ix, 1846, pp. 202-206.  
Synopsis de six espèces—*Lanio aurantius*, p. 204, sp. n.
1847. CABOT, S., JR. *Pyrranga roseo-gularis*, a new species from Yucatan. < *Am. Journ. Sci.*, iii, 1847, pp. 436, 437.  
From *Proc. Bos. Soc. Nat. Hist.*, Dec., 1846, p. 187.
1847. CABOT, S., JR. *Pyrranga roseo-gularis*, a new species from Yucatan. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 143.  
From *Am. Journ. Sci.*, 1847, p. 437.
1847. HARTLAUB, [C.] [Rectification de la synonymie de *Tanagra zenoides* Lafr.] < *Revue Zoologique*, x, 1847, pp. 417, 418.
1847. LAFRESNAYE, F. DE. Sur les *Tanagras gyrola* Gmel. (Rouverdin Vieillot) et *Zena* Gmel. (Bahamensis Brisson) et quelques espèces voisines faciles à confondre avec elles. < *Revue Zoologique*, x, 1847, pp. 275-281.
1848. CASSIN, J. Description of a new *Tanagra* [nigro-aurita], in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1848, pp. 85, 86.
1849. [JARDINE, W.] *Tanagra caua*, Swainson. < *Jard. Contrib. Ornith.*, 1849, p. 19, pl. xvi.
1850. SCLATER, P. L. [Description of *Calliste chrysonota*, sp. n.] < *Jard. Contrib. Ornith.*, 1850, p. 50, pl. li.
1851. BONAPARTE, C. L. Note sur les Tangaras, leurs affinités, et descriptions d'espèces nouvelles. < *Compt. Rend. de l'Acad. Sci.*, xxxii, 1851, pp. 76-83.  
*Calliste bourcierii*, *C. phoeniceotis*, *C. icterocephala*, *C. gutturala*, p. 76; *Tanagrella rufigula*, p. 77; *Callospiza boliviana*, p. 80, spp. nn.
- The paper is substantially the same (though with some modification) as one in *R. M. Z.* of same date (see next title). It is full of mishaps, many of which were exposed by Sclater, *Jard. Contr. Orn.*, 1851, pp. 93-96.
1851. BONAPARTE, C. L. Note sur les Tangaras, leurs affinités et descriptions d'espèces nouvelles. < *Rev. et Mag. de Zool.*, iii, Mar., 1851, pp. 129-145; Apr., 1851, pp. 168-180.  
*Callipara* (g. n.) *bourcierii*, *C. phoeniceotis*, *Chrysotrampus icterocephala*, p. 129; *Ixotheaupis* (g. n.) *gutturala*, *Tanagrella rufigula*, p. 130, spp. nn.; *Chalcotheaupis*, g. n., p. 131. L'auteur donne encore plusieurs rectifications relatives aux espèces de la famille et à leur synonymie. *Procinus*, 2 esp. *Pipreida*, 2 esp. *Indopleura*, 5 esp. *Euphonia*, 13 esp. *E. brevirostris*, *E. pumilo*, p. 136, spp. nn. *Pyrhaphonia* (g. n., p. 137), 2 esp. *Chlorophonia* (g. n., p. 137), 3 esp. *Cyanophonia* (g. n., p. 138), 2 esp. *Calliste*, 8 esp. *Tatua* (g. n., p. 141), 7 esp. *Chrysotrampus*, 11 esp. *Ixotheaupis*, 3 esp. *Chalcotheaupis*, 7 esp. *Callospiza*, 4 esp.; *C. boliviana*, sp. n., p. 169; *Tanagra*, 8 esp. *Dubusia gigas*, sp. n., p. 171; *Tachyphonus*, 10 esp.; *T. beauperthuyi*, p. 175, sp. n. *Phainocheaupis*, 2 esp. *Lanio*, *Lamprotes*, *Sericossypha*, *Euranus*, *Ramphocelus*; *Dulus*; *D. poliocephalus*, p. 178, sp. n. Enfin, description d'une Alouette d'Afrique! *Alauda cinnamomea*, p. 179, sp. n.—Voir *Jard. Contr. Orn.*, 1851, pp. 93-96.
1851. LAFRESNAYE, F. DE. Sur l'oiseau nommé par Brisson *Tangara* de Saint-Domingue, *Tanagra dominicensis*, *Tanagra Dominica*, par Linné, figuré par Buffon, pl. enl. 156, f. 2, et dont Vieillot a fait son genre *Esclava* (*Dulus*), sous le nom de *Dulus palmarum*. < *Rev. et Mag. de Zool.*, iii, 1851, pp. 583-590.
- There is a curious "snag" here. Cf. Strickl., *Jard. Contr. Orn.*, 1851, pp. 103, 104. See Gray's *Handlist*, Nos. 5827 and 7025.

1851. SCLATER, P. L. On Some New Species of Calliste. < *Jard. Contrib. Ornith.*, 1851, pp. 21-25, pl. lxi.  
*C. virescens*, p. 22, pl. lxi, f. 1; *C. xanthogastra*, p. 23; *C. chrysophrys*, p. 24, pl. lxi, f. 2; with chars. of *C. punctata*, Linn.
1851. SCLATER, P. L. I. Remarks on Prince Canino's Note, "Sur les Tangaras," in the Revue et Magazine de Zoologie, March and April, 1851. < *Jard. Contrib. Ornith.*, 1851, pp. 93-96.  
 Rectifications of synonymy, &c.
1851. SCLATER, P. L. II. On the Genus Tanagrella. < *Jard. Contrib. Ornith.*, 1851, pp. 97, 98, pl. lxxiv.  
 3 spp. The pl. represents *T. calophrys*.
1851. SCLATER, P. L. III. On the genus Chlorochrysa, Bp. < *Jard. Contrib. Ornith.*, 1851, pp. 99-101, pl. lxxiii.  
 2 spp. Pl. lxxiii, up. fig., *C. callipara*; low. fig., *C. pharnicotis*.
1851. SCLATER, P. L. Synopsis of the Tanagrine genus Calliste, with Descriptions of New Species. < *Jard. Contrib. Ornith.*, 1851, pp. 49-73, pl. lxx.  
 48 spp., divided in 8 groups.: *C. leucotis*, p. 58, *C. castaneiventris*, *C. ruficapilla*, p. 61; *C. castanonota*, p. 63. *C. lunigera*, p. 65, pl. lxx, f. 2, *C. lamprotis*, p. 65, spp. nn. The other fig. of pl. lxx is *C. heterocephala* Bp.
1851. SCLATER, P. L. Synopsis of the genus Euphonia, with descriptions of New species. < *Jard. Contrib. Ornith.*, 1851, pp. 81-92, pl. lxxv.  
 23 spp. + 3 doubtful. *E. melanura*, p. 86; *E. pyrrhophrys*, p. 89, pl. lxxv, f. 2, spp. nn. The other fig. of same pl. is *E. nigricollis*.
1851. STRICKLAND, H. E. On two New Species of Euphonia, Desm., allied to *E. chlorotica*. < *Jard. Contrib. Ornith.*, 1851, pp. 71-73.  
*E. trinitatis*, *E. strictifrons*, p. 72, with synopsis of 5 spp. of the genus.
1851. STRICKLAND, H. E. On the Type of the genus Dulus, Vieill. < *Jard. Contrib. Ornith.*, 1851, pp. 103, 104.  
*Tanagra dominica* L., nec *Turdus palmarum* L. Cf. Lafr., *Rev. Mag. Zool.*, iii, 1851, pp. 583-590.
1852. STRICKLAND, H. E. Description of Iridosornis dubusia (Bon.). < *Jard. Contrib. Ornith.*, 1852, pp. 127, 128, pl. xciv.  
 With important bibliographical criticism. The pl. is marked "*Pœcilornis rufivertex*."
1853. LAFRESNAYE, F. DE. [*Arremon mystacalis* Sel. = *A. albifrenatus* Boiss. et Lafr.] < *Rev. et Mag. de Zool.*, v, 1853, pp. 62, 63.
1853. LAFRESNAYE, F. DE. Sur le genre Ramphocelus, Desm. et trois nouvelles espèces qui lui appartiennent. < *Rev. et Mag. de Zool.*, v, 1853, pp. 241-246.  
 Le genre doit être naturellement subdivisé en deux sections, d'après la forme du bec.: I. *Ramph. macrognathi* (11 spp.). II. *R. micrognathi* (5 spp.). *R. magnirostris*, *R. venezuelensis*, p. 243; *R. aterimus*, p. 244.
1854. LAFRESNAYE, F. DE. Mélanges Ornithologiques. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 205-209.  
 The article relates chiefly to the "subgenus" *Chrysothraupis*, i. e., *Calliste*, pp. 205-208. *C. sclateri*, (sic) p. 207, sp. n.
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*Arremon axillaris*, *Ramphocelus dorsalis* Bp. Mss., *Buthraupis chloronota*, pl. lxiv, p. 97; *Euphonia concinna*, pl. lxv, f. 2; *E. hirundinacea*, pl. lxv, f. 1, p. 98.
1854. SCLATER, P. L. Descriptions of Two New Tanagers in the British Museum. < *P. Z. S.*, xxii, 1854, pp. 157, 158, pll. (Aves) lxxviii, lxix.  
*Chlorospingus melanotis*, p. 157, pl. lxxviii; *Tachyphonus zanthopygius*, p. 158, pl. lxix.
1854. SCLATER, P. L. Description of a new Tanager of the Genus Calliste [*C. venusta*]. < *P. Z. S.*, xxii, 1854, p. 248.
1854. SCLATER, P. L. Description of a second species of the Genus Procnias [*P. occidentalis*]. < *P. Z. S.*, xxii, 1854, p. 249.

1854. SCLATER, P. L. On a new species of Tanager [*Phœnicothraupis gutturalis*] in the British Museum. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, pp. 24, 25.  
*Phœnicothraupis gutturalis*, p. 25; with synopsis of 3 spp. of the genus.
1854. SCLATER, P. L. Tanagrarium | Catalogus Specificus, | auctore | Philippo Lutley Sclater, A. M. | Soc. Zool. Lond. Socio. | Basingstoke, | 1854. 1 vol. 8vo. pp. 16.  
Exhibens nomina generum 41, specierum circ. 240, adjectis cuique auctore et patria, necnon annotationibus 15 ad calcem opusculi.
1855. SCLATER, P. L. Descriptions of four new or little-known Tanagers. < *P. Z. S.*, xxiii, 1855, pp. 83–85, pl. (Aves) lxxxix–xcii.  
*Arremon erythrorynchus*, p. 84, pl. lxxxix; *Tachyphonus xanthopygius*, p. 83, pl. xc; *Tanagra notabilis*, "Jardine," p. 84, pl. xci; *Saltator arremonops*, "Jardine," p. 84, pl. xcii.
1855. SCLATER, P. L. Description of a newly discovered Tanager of the Genus Buarremon [*leucopterus*]. < *P. Z. S.*, xxiii, 1855, p. 214, pl. (Aves) cix.
1855. SCLATER, P. L. Characters of two New Species of Tanagers. [*Dubusia auricrissa*, *Iridornis porphyrocephala*, pl. ex.] < *P. Z. S.*, xxiii, 1855, pp. 227, 228, pl. (Aves) ex.
1855. SCLATER, P. L. Characters of some New or imperfectly-described Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 140–143.  
From *P. Z. S.*, Mar. 28, 1854, pp. 95–98, q. v.
1855. SCLATER, P. L. Description of a new Tanager of the Genus *Calliste* [venusta]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, p. 150.  
From *P. Z. S.*, Nov. 14, 1854, p. 248.
1855. SCLATER, P. L. Descriptions of Two New Tanagers in the British Museum. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 377, 378.  
From *P. Z. S.*, July 25, 1854, pp. 157, 158, q. v.
1855. SCLATER, P. L. Description of a second species of the genus *Procnias* [*occidentalis*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pl. 380.  
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1856. SCLATER, P. L. Note on the Zoological Appendix to the 'Report of the U. S. Naval Astronomical Expedition to the Southern Hemisphere,' and on the Geographic Range and Distribution of the Tanagrine Genera *Calliste* and *Euphonia*. < *P. Z. S.*, xxiv, 1856, pp. 18, 19.  
The "Note" refers to a probable mistake in the work named respecting the alleged Chilean habitat of *Calliste cyaneicollis*, *C. gyroloides*, and *Euphonia rufiventris*; states that the *C. "lanceata"* figured on pl. 18, f. 2, is not that species, but *C. thalassina*. The article concludes with a tabular exhibit of the geographical distribution of 48 spp. of the genus *Calliste*.
1856. SCLATER, P. L. Synopsis Avium Tanagrarum.—A descriptive Catalogue of the known Species of Tanagers. < *P. Z. S.*, xxiv, 1856, pp. 64–94, 108–132, 230–281.  
40 genera, 272 spp. Much synonymy and critical commentary. *Chlorospingus flaviventris*, p. 91; *Nemosia guirina*, *N. insignis*, p. 110; *N. auricollis*, p. 111; *Ramphocelus unicolor*, p. 128; *Calliste vieillotii*, p. 257; *C. cyaneescens*, p. 260; *Euphonia fulvicrissa*, p. 276; *E. crassirostris*, p. 277, spp. nn.
1856. SCLATER, P. L. Synopsis Avium Tanagrarum. | A Descriptive Catalogue | of the known | Species of Tanagers. | By | Philip Lutley Sclater, M. A., F. Z. S., &c. | — | [From the Proceedings of the Zoological Society, | April 8, 1856.] | — | London: | printed by Taylor and Francis. | Red Lion Court, Fleet Street. | 1856. 1 vol. 8vo. pp. 127.  
Treating 272 spp. under 40 genera, with synonymy, diagnosis, habitat, and criticism.
1856. SCLATER, P. L. On a New Tanager of the Genus *Calliste* [*rutigenis*]. < *P. Z. S.*, xxiv, 1856, p. 311.
1856. SCLATER, P. L. Description of a newly discovered Tanager of the genus Buarremon [*leucopterus*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 350, 351.  
From *P. Z. S.*, Nov. 27, 1855, p. 214.
1856. SCLATER, P. L. Characters of Two New Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 418, 419.  
From *P. Z. S.*, Dec. 11, 1855, pp. 227, 228, q. v.



1856. SCLATER, P. L. Descriptions of four new or little-known Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 515-517.  
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1857. SCLATER, P. L. Descriptions of some New Species of Tanagers. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 272.  
From *P. Z. S.*, May 13, 1856.
1857. SCLATER, P. L. Description of a New Tanager of the genus *Euphonia* [*E. gouldi*]. < *P. Z. S.*, xxv, 1857, p. 66, pl. (Aves) cxxiv.
1857. SCLATER, P. L. Description of a new Tanager [*Euphonia gouldi*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xx, 1857, pp. 319, 320.  
From *P. Z. S.*, Apr. 28, 1857, p. 66.
1857. SCLATER, P. L. A | Monograph | of | the Birds forming | the Tanagrine Genus *Calliste*; | illustrated by | coloured plates of all the known species. | By Philip Lutley Sclater, M. A., Fellow of Corpus Christi College, Oxford; | Fellow of the Zoological and Linnean Societies of London; Correspondent | of the Academy of Natural Sciences of Philadelphia; Hon. Member of | the German Ornithological Society; Member of the British and | American Associations for the advancement of Science, etc. | [Publisher's monogram.] | London: | John Van Voorst, Paternoster Row. | MDCCCLVII. | 1 vol. 8vo. Map as frontispiece, pp. xviii, 104, pll. col'd xlv.  
Letter-press general, relating to each one of 52 spp., introduced by an essay on the genus, which includes schema generum tanagrinorum, et callistarum schema geographicum. The pls. are not numbered; according to the text they are:—Pl. i. f. 1. *tatuo*, p. 1; i. f. 2. *calicicolor*, p. 3; ii. *yeu*, p. 5; iii. *tricolor*, p. 7; iv. *fastuosa*, p. 9; v. *festiva*, p. 11; vi. *cyaneiventris*, p. 13; vii. *thoracica*, p. 15; viii. *schranki*, p. 17; ix. *punctata*, p. 19; x. *guttata*, p. 21; xi. *xanthogastra*, p. 23; xii. *graminea*, p. 25; xiii. *rufigularis*, p. 27; xiv. f. 2. *aurulenta*, p. 29; xiv. f. 1. *sclateri*, p. 31; xv. *pulchra*, p. 33; xvi. *arthusi*, p. 35; xvii. *heterocephala*, p. 37; xviii. *vitriolina*, p. 39; xix. *cayana*, p. 41; xx. *euenellata*, p. 45; xxi. *flava*, f. 2. ♀, p. 47; xxii. *pretiosa*, p. 49; xxiii. *melanonota*, f. 2. p. 51; xxiv. *cyanoptera*, p. 53; xxv. *gyrola*, p. 55; xxvi. *gyroloides*, p. 57; xxvii. *desmaresti*, p. 59; xxviii. *brasiliensis*, p. 61; xxix. *flaviventris*, p. 63; xxx. *boliviana*, p. 67; xxxi. *atricerulea*, p. 69; xxxii. *ruficervix*, p. 71; xxxiii. *atricapilla*, f. 2. ♀, p. 73; xxxiv. *argentea*, p. 75; xxxv. *cyaneescens*, p. 79; xxxvi. *larrata*, p. 81; xxxvii. *nigricincta*, p. 85; xxxviii. *cyaneicollis*, p. 87; xxxix. *labradorides*, p. 89; xl. *rufigenis*, p. 91; xli. *parzudakii*, p. 93; xlii. *binigera*, p. 95; xliii. *chrysotis*, p. 97; xliv. f. 1. *xanthocephala*, p. 99; xliv. f. 2. *venusta*, p. 101; xlv. *inornata*, p. 103.—*cyanoberna*, p. 43; *vieilloti*, p. 65; *nigritiridis*, p. 77; *francescae*, p. 83, are not figured. For additions, see *Ibis*, 1863, pp. 450-452.
1858. CASSIN, J. Description of a New Tanager [*Calliste lavinia*] from the Isthmus of Darien, and note on *Selenidera Spectabilis*, Cassin. < *Proc. Acad. Nat. Sci. Phila.*, x, 1858, pp. 177, 178.
1858. SCLATER, P. L. Description of a New Tanager of the Genus *Euphonia* [*gouldi*]. (*P. Z. S.*, April 28, 1857.) < *J. f. O.*, vi, 1858, p. 73.  
Uebersetzt, nebst Anmerk. d. Herausgebers.
1858. SCLATER, P. L. On some New or little-known Species of Tanagers from the Collection of M. Verreaux of Paris. < *P. Z. S.*, xxvi, 1858, pp. 293, 294.  
5 spp.—*Chlorospingus castaneicollis*, p. 293; *Calliste cyanotis*, p. 294, spp. nn.
1858. SCLATER, P. L. On two New Species of Tanagers from the Collection of M. Verreaux of Paris. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, pp. 472, 473.  
From *P. Z. S.*, June 8, 1858, pp. 293, 294, g. r.
1858. SCLATER, P. L. On *Enchaetes coccineus*, a new genus of Birds. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, p. 494.  
From *P. Z. S.*, Jan. 26, 1858, pp. 73, 74; there forming part of an article of wider scope.
1859. DUBOIS, C. F. Description et figure d'une nouvelle espèce d'*Euphonia* [*cyano-dorsalis*]. < *Rev. et Mag. de Zool.*, xi, 1859, pp. 49, 50, pl. 2.
1860. JARDINE, W. [*Euphonia cyanodorsalis* Dubois = *E. occipitalis*, ♀, *P. Z. S.*, 1856-270.] < *Ibis*, ii, 1860, p. 103.
1863. SALVIN, O. On a New Species of *Calliste* [*dowii*] from Costa Rica < *P. Z. S.*, xxxi, 1863, pp. 168, 169.

1863. SCLATER, P. L. List of recent Additions to the Genus *Calliste*. < *Ibis*, v, 1863, pp. 450-452, pl. xii.  
5 spp. added to the 52 of his well-known monograph (1857); none new; *C. dowii* figured, pl. xii.
1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanagridæ, Cuculidæ, and Trochilidæ, with a Note on *Panterpe insignis*. < *Ann. Lyc. Nat. Hist. N. Y.*, viii, 1864, pp. 41-46.  
The Tanagers here described are *Saltator fulviventris*, p. 41, Paraguay; *Tachyphonus tibialis*, p. 41, Costa Rica; and *T. napensis*, p. 42, Rio Napo.
1864. LÉOTAUD, [A.] Description d'une nouvelle espèce du genre *Tachyphonus* [*albispicularis*]. < *Rev. et Mag. de Zool.*, xvi, 1864, pp. 129, 130.
1864. SALVIN, O. On a New Species of *Calliste* [dowii] from Costa Rica. < *Ann. Mag. Nat. Hist.*, 3d ser., xiii, 1864, pp. 104, 105.  
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1865. BILLOT, E. Éducation des Cardinaux gris à tête rouge [*Paroaria cucullata*]. < *Bull. Soc. Acclim.*, 2<sup>e</sup> sér., ii, 1865, pp. 463-465.
1865. CASSIN, J. On some Conirostral Birds from Costa Rica in the Collection of the Smithsonian Institution. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 169-172.  
The article treats of 22 sp. of *Fringillidæ* and *Tanagridæ*; the new species described are three of the latter family, namely: *Arremon rufidorsalis*, *Buarremon crassirostris*, p. 170; *Euphonia anneæ*, p. 172.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
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1865. SCHMIDT, MAX. Fortpflanzung des grauen Kardinals [*Paroaria cucullata*]. < *Zool. Gart.*, vi, 1865, pp. 12-16.
1865. SCLATER, P. L. Description of a new Species of Tanager of the genus *Iridornis* [reinhardtii]. < *Ibis*, 2d ser., i, 1865, pp. 495, 496, pl. xi.
1865. SCLATER, P. L. On a recently discovered Tanager of the genus *Calliste*. < *Ibis*, 2d ser., iv, 1865, pp. 71, 72, pl. iii.  
*C. sclateri* Cab. nec Less. := *C. cabanisi* ScL., sp. renom.
1869. LINDEN, E. Zur Ehrenrettung des grauen Kardinals [*Paroaria cucullata*]. < *Zool. Gart.*, x, 1869, pp. 376-378.
1869. RIDGWAY, R. Notices of certain obscurely known Species of American Birds. < *Proc. Acad. Nat. Sci. Phila.*, xxi, June, 1869, pp. 125-135, woodcut.  
II. On the uniformly red species of *Pyranga* (6 spp.), pp. 129-133. *P. cooperi*, sp. n., p. 130, fig. The article also treats of species of *L.*, *Hylocichla* and *M.*, *Quiscalus*.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scelopacidae. < *P. Z. S.*, xxxvii, 1869, pp. 416-420, pl. xxviii.  
The new Tanager is *Calliste florida*, p. 416, pl. xxviii.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of three new Species of Tanagers from Veragua. < *P. Z. S.*, xxxvii, 1869, pp. 439, 440, pls. xxxi, xxxii.  
*Buthraupis arcei*, p. 439, pl. xxxi; *Tachyphonus chrysomelas*, p. 440, pl. xxxii; *Chlorospingus punctulatus*, p. 440.
1870. ALLEN, J. A. Summer Red Bird [*Pyranga aestiva*]. < *Am. Nat.*, iv, 1870, p. 56.  
Its occurrence at Amherst, Mass., U. S. A.
1870. CABANIS, J. Ueber eine neue brasilische Nemosie oder Wald-Tangare, *Nemosia Bourci* nov. spec. < *J. f. O.*, xviii, 1870, pp. 459, 460 (pl. i, in Jahrg. 1871).
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1871. ORTON, J. Correction [of a misstatement respecting *Euphonia elegantissima*, *Am. Nat.*, iv, 714]. < *Am. Nat.*, v, 1871, p. 378.

1873. BREHM, A. [Singvermögen der Euphonia.] < *J. f. O.*, xxi, 1873, pp. 71, 72.
1873. SALVADORI, T. Descrizione di una nuova specie del genere Euphonia [mesochrysa]. < *Atti della Reale Accad. delle Sci. di Torino*, viii, 1873, p. 193.
1873. SCLATER, P. L. Note on the *Pyrranga roseogularis* of Cabot. < *Ibis*, 3d ser., iii, 1873, pp. 125, 126, pl. iii.  
The colored plate, drawn by R. Ridgway, represents this beautiful species.
1874. DUBOIS, A. Remarque sur la variabilité de certaines espèces du genre Calliste. < *Bull. Acad. Roy. des Sci. de Belgique*, 2<sup>e</sup> sér., xxxviii, July, 1874, pp. 124—.  
Pas vu moi-même.
1874. LAWRENCE, G. N. Descriptions of Two New Species of Birds of the Families Tanagridæ and Tyrannidæ. < *Am. Lyc. Nat. Hist. N. Y.*, xi, July, 1874, pp. 70-72.  
The Tanagrine here described is *Phainicothera cristatus*, p. 70, from Bogotá.
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1876. SCLATER, P. L. Description of a new Tanager of the Genus Calliste [melanotis], and Remarks on other recently discovered Species. < *Ibis*, 3d ser., vi, Oct., 1876, pp. 407-410, pl. xii.  
*C. melanotis*, p. 408, pl. xi, fig. 1, from Rio Napo, Ecuador = *C. cyanotis* Scl., *Ibis*, 1863, p. 451.—Pl. xi, f. 2, *C. cyanotis*.—Criticisms on various other species. Cf. *Ibis*, 1863, p. 450, and 1868, p. 71.
1877. PELZELN, A. v. Description of a new Species of Calliste, and of a . . . < *Ibis*, 4th ser., i, 1877, pp. 337-339.  
The Tanager here named is *Calliste albertine*, p. 337, from Brazil (Natterer).
1878. BREWER, T. M. [Occurrence of *Pyrranga ludoviciana* in Winter in Boston, Mass.] < *Ibis*, 4th ser., ii, Apr., 1878, pp. 204-206.  
Statement occurring in an untitled letter on other subjects.
1878. BREWER, T. M. Rare Visitors. < *Forest and Stream*, x, March 14, 1878, p. 94.  
*Pyrranga ludoviciana* at Lynn, Mass., Jan. 20.
1878. INGERSOLL, E. Dr. Coues's Idea of a Tanager. < *The Country*, i, Mar. 23, 1878, p. 310.  
Extract from "The Birds of the Colorado Valley", pt. i, p. 352, with a note as to circumstances of its publication.
1878. SALVADORI, T. [Identity of *Euphonia chalcopasta* S. & S. with *E. mesochrysa* Salvad.] < *Ibis*, 4th ser., ii, Apr., 1878, p. 200.
1879. ANON. Comparative Scarcity of the Scarlet Tanager [*Pyrranga rubra*, in New York]. < *The Oölogist*, iv, No. 11, June, 1879, p. 92.

**Fringillidæ.**(With *Emberizidæ*.)

1740. LINNÆUS, C. Doctor Carl Linnæi Beskrifning på Snö-Sparfven. < *Kongl. Svensk. Vetensk.-Akad. Handl.*, i, 1740, pp. 368-374, tab. i, figg. 9-11.  
This, which I have not seen, is the original description of the subsequent *Emberiza nivalis* L. (*Plectrophanes nivalis*). (Vol. i, for 1839-40, was pub. 1841.)
1743. LINNÆUS, C. Beskrifning på Snö-sparfven. < *Kongl. Swensk. Vetensk. Acad. Handl.*, i (1740), 1743, pp. 362-368, pl. i, figg. 9-11.  
This is simply the original description of *Emberiza nivalis* in the later edition of the 1st vol. of the *Handlingar*.
- 1749? LINNÆUS, C. Beschreibung eines Schneesperlings. < *Abhandl. d. Schwed. Akad. auf d. Jahr. 1740, 1749?* pp. 134-141, taf. i, figg. 9-11.  
This, which I have not seen, is the same description of the subsequent *Emberiza nivalis* in the German version (*Kästner*) of the *Handlingar*.
- 1749? SUNDIUS, P. B. C. D. | Surinamensia Grilliana | [ . . . ] | curiosis examinanda sistit | Alumnus Oxenstiernianus | Petrus Sundius Nic. fil. | Stockholmiensis. | In audit. Carol. Maj. d. xviii Junii | Anni MDC'CLXIX [sic] | H. A. M. C. | — | Holmiæ. | Typis Laurentii Salvii. | sm. 4to, 1. p. l., pp. 1-24, 1 pl.  
Classis II. Aves, p. 10. Solum de *Emberizæ* specie tractatur, *Passer caeruleofuscus*, Sloane, *Jam.* ii, p. 311.
1750. LINNÆUS, C. En Indianisk Sparf. Eller Fringilla capite caeruleo, dorso viridi, abdomine fulvo. < *Kongl. Svensk. Vetensk.-Acad. Handl.*, xi, 1750, pp. 278-280, pl. vii, fig. 1.  
This is the original description of the subsequent *Emberiza ciris* L. (= *Cyanospiza ciris* Baird), erroneously considered as a bird of India.
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The same description of the subsequent *Emberiza ciris* L. (*Cyanospiza ciris* Bd.) in the German version of the *Handlingar*.
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Behandelt *Loxia pityopsittacus*, *curvirostra*, und *leucoptera*, mit kurzer Beschreibung und Aussmessungen einiger Exemplare der drei Formen.

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1850. BONAPARTE, C. L., and SCHLEGEL, H. Monographie | des | Loxiens | par | Ch. L. Bonaparte | et | H. Schlegel. | — | Ouvrage | accompagné de 54 planches coloriées, | lithographiées | d'après les dessins | de | M. Bideker | et autres naturalistes | — | Leiden et Düsseldorf, | chez | Arnz & Comp. | 1850. 1 vol. 4to. 3 p. II (title, dedication), pp. i-xviii, 1-55, pll. color, 54.
- Descriptive and general account of 41 spp., introduced by a commentary on the inter-relations of *Fringillidæ*. The "Loxiens" are divided into 3 groups, *Loxiaceæ*, *Montifringillaceæ*, and *Linotaceæ*.—*Orturus*, *Melanodera*, p. ii; *Lophospiza*, *Phonipara*, p. iii; *Pyrhologia*, *Cyanoloxia*, p. vi; *Chauuoproctus*, p. xiv, appear to be new generic names of Bonaparte's. Pl. 1. *Loxia pityopsittacus*; 2, 3, 4, 5. *L. curvirostra* et vars.; 6. *L. americana*; 7. *L. himalayana*; 8. *L. bifasciata*; 9, 10. *L. leucoptera*; 11, 12. *Corythus enucleator*; 13. *C. subhimachalus*; 14. *Carpodacus erythrinus*; 15. *C. purpureus*; 16, 17. *C. frontalis*; 18. *C. sinaiticus*; 19, 20. *C. roseus*; 21. *C. rhodochrous*; 22. *C. rhodopeplus*; 23. *C. thura*, p. 21. n. sp.; 24. *C. sophia*, p. 22, n. sp.; 25. *C. rhodochlamys*; 26. *C. rubicilla*; 27, 28. *C. puniceus*; 29. *Pyrha saturata*; 30, 31. *Erythropsiza phænicoptera*; 32. *E. obsoleta*; 33. *E. githaginea*; 34, 35. *Uragus sibiricus*; 36. *U. sanguinolentus*; 37, 38. *Chauuoproctus papa*; 39, 40. *Hæmatospiza sipahi*; 41. *Montifringilla griseinucha*; 42. *M. brunneinucha*; 43. *M. tephrocotis*; 44, 45. *M. aretoa*; 46. *M. nivalis*; 47. *Fringulauda nemoricola*; 48. *Linota cannabina*; 49. *L. fringillirostris*, n. sp., p. 45; 50. *L. montium*; 51. *Acanthis canescens*; 52. *A. linaria*; 53. *A. holböllii*; 54. *A. rufescens*.
- The introductory matter of this work is unmistakably "Napoleonic"; the text is apparently from the hand of the more conservative and trustworthy author.—There is a reprint of the "Introduction" in *Jard. Contr. Orn.*, 1851, pp. 27-47—though one issue of this matter might have been considered amply sufficient.
1850. [KIRTLAND, J. P.] Birds of Winter. < *The Family Visitor*, i, No. 8, 1850, p. —.
- Noting occurrence of certain *Fringillidæ* in Ohio at that season.
1850. [KIRTLAND, J. P.] Pine Linnet—*Linaria pinus*. < *The Family Visitor*, i, No. 13, 1850, p. 140. See also No. 19, p. 148, and No. 21, p. 164.
- Biographical sketch of the species as observed in Ohio.
1850. [KIRTLAND, J. P.] White-headed Sparrow [*Zonotrichia leucophrys*]. < *The Family Visitor*, i, No. 19, 1850, p. 148. See also No. 21, p. 164.
1850. LANFOSSI, P. Sovra l'albinismo e melanismo di una *Loxia curvirostra* e di una *Fringilla cisalpina*, e sull' *Emberiza rustica* Pall. < *Giorn. dell' Ital. R. Istit. Lombardo*, ii, 1850, pp. 111-113.
- Non veduto per me.
1850. NEWMAN, E. Occurrence of the Parrot Crossbill (*Loxia pityopsittacus*) near London. < *Zoologist*, viii, 1850, p. 2770.
1851. BREWER, T. M. [On the occurrence of the Pine Grosbeak (*Strobilophaga enucleator*) and other *Fringillidæ*, in the neighbourhood of East Bethel, Vt.] < *Proc. Boston Soc. Nat. Hist.*, iv, 1851, pp. 42, 43.
1851. HEWITSON, W. C. Remarkable Bird's [*Ægiothus linaria*?] Nest. < *Zoologist*, ix, 1851, p. 3027.
- Cf. Zool., 2967.
1851. [JARDINE, W.] Monographie des Loxiens. < *Jard. Contrib. Orn.*, 1851, pp. 27-47.
- Note introducing a reprint of the introduction of this work.
1851. LANFOSSI, P. Sopra varie Fringille appartenenti al sottogenere *Linaria* de Brehm. < *Giorn. dell' Ital. R. Istit. Lombardo*, new ser., iii, 1851, pp. 95-109.
- Non veduto per me.
1851. NEWTON, A. Occurrence of the Parrot Crossbill [*Loxia pityopsittacus*] in Suffolk and Norfolk. < *Zoologist*, ix, 1851, p. 3145.
1852. BELL, J. On the *Pipilo Oreganus* [n. sp.] as distinguished from the *Pipilo Aretiens* of Swainson. < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 6-8. (Read Nov. 27, 1848.)
1852. BREE, C. R. Note on the Common Red-poll (*Linota* [*Ægiothus*] *linaria*). < *Zoologist*, x, 1852, pp. 3511, 3512.

1852. ELLMAN, J. B. Note on the Snow Bunting (*Emberiza* [*Plectrophanes*] *nivalis*). < *Zoologist*, x, 1852, p. 3329.
1852. MCCALL, G. A. Note on *Carpodacus frontalis*, (Say,) with description of a new species [*C. familiaris*] of the same genus, from Santa Fé, New Mexico. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, p. 61.
1852. VERREAUX, J. Description d'une nouvelle espèce d'oiseau du genre *Callirhynchus* [*devronis*]. < *Rev. et Mag. de Zoot.*, iv, 1852, pp. 314-316.  
Described from Guayaquil.
1852. LAWRENCE, G. N. Descriptions of new species of Birds of the genera . . . *Embernagra* [*rufivirgata*], . . . < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 112-117, pl. 5. (Read Apr. 28, 1851.)  
Here occurs, in a paper of wider scope, full title of which is the N. Amer. part of this *Bibl.*, the orig. descr. of the above sp., p. 112, pl. 5, f. 2.
1852. LAWRENCE, G. N. Descriptions of New Species of Birds, of the genera . . . *Plectrophanes* [*McCownii*, p. 122] Meyer. < *Ann. Lyc. Nat. Hist. N. Y.*, v, 1852, pp. 121-123. (Read Sept. 8, 1851.)  
Other spp. here described are a *Toxostoma* and a *Tyrannula*: title is to be found in full in the N. Am. part of this *Bibl.*
1852. WOODHOUSE, S. W. Descriptions of new species of Birds of the genera *Vireo*, *Vicell.*, and *Zonotrichia* [*cassini*, p. 60], Swains. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 60, 61.  
This is the *Peucea cassini* of later authors.
1852. WOODHOUSE, S. W. Description of a new Snow Finch of the genus *Struthus* [*caniceps*], Boie. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 202, 203.
1853. BREHM, [C.] L. Die Kreuzschnäbel. *Crucirostra*, Cuv. < *Naumannia*, iii, 1853, pp. 178-203, 241-256; pl. —, figg. 1-20.  
I. *Loxia pityopsittacus*: 1. *C. major*, f. 1; 2. *C. pityopsittacus*, f. 2; 3. *C. subpityopsittacus*, f. 3; 4. *C. brachyrhynchus*, f. 4; 5. *C. pseudopityopsittacus*, f. 5; 6. *C. intercedens*, f. 6. II. *Loxia curvirostra*: 1. *C. montana*, f. 9; 2. *C. paradoxa*, f. 7; 3. *C. media*, f. 8; 4. *C. macrorhynchus*, f. "8"; 5. *C. pinetorum*, f. 11. III. *Crucirostra minuta*: *C. minor*, f. 12. IV. *Crucirostra rubrifasciata*: 1. *C. rubrifasciata*, f. 13; 2. *C. erythroptera*, f. 14. V. *Crucirostræ albifasciata*: 1. *C. trifasciata*, f. 15; 2. *C. bifasciata*, f. 16; *C. tenuiptera*, f. 17; 4. *C. orientalis*, f. 18; 5. *C. assimilis*, f. 19; 6. *C. leucoptera*, f. 20.  
In this paper Brehm is very thoroughly himself, carrying out his peculiar views to their logical extreme. All these "species," real or Brehmian, some of which are here described as new, are very elaborately treated; and the plate, from nature by J. F. Naumann, is valuable as showing how complete is the graduation in size of bill from the largest to the smallest. Among the twenty "species" here treated, some five or six might be held worthy of recognition by many ornithologists.
1853. BÖCK, —. Ansfallen der Mauser bei einem Vogel [*Centrophanes lapponica*] in der Gefangenschaft. < *J. f. O.*, i, 1853, pp. 207.  
*Cf. tom. cit.*, p. 383.
1854. CASSIN, J. [Remarks on abundance of *Loxia leucoptera* in the vicinity of Philadelphia, winter of 1853-4.] < *Proc. Acad. Nat. Sci. Phila.*, vii, 1854, pp. 203, 204.
1854. LANFOSSI, P. Sopra varie fringille appartenenti al sottogenere *Linaria* di Brehm. < *Bianconi's Repert. Ital. Stor. Nat.*, ii, 1854, pp. 24-27.  
Estratto *Giorn. dell' I. R. Istit. Lombardo di Scienze*, cc., t. iii, pp. 95-109, Milano, 1851.
1854. LANFOSSI, P. Sopra l'albinismo e melanismi d'una varietà della *Loxia curvirostra* etc. < *Bianconi's Repert. Ital. Stor. Nat.*, ii, 1854, pp. 9, 10.  
*Giorn. I. R. Istit. Lombardo di Scienze*, cc., t. ii, Milano, 1850, p. 111.
1854. ROBERTS, A. Occurrence of the Crossbill [*Loxia curvirostra*] near Scarborough. < *Zoologist*, xii, 1854, pp. 4329, 4330.
1855. BOLD, T. J. Occurrence of Crossbills [*Loxia curvirostra*] in Northumberland and Durham. < *Zoologist*, xiii, 1855, p. 4871.

1855. BOLLE, C. Der Hakengimpel, Pyrrhula Enucleator, Temm. in Amerika. < *Naumannia*, 1855, pp. 424-427.  
Aus dem Englischen von Audubon.
1855. BONAPARTE, C. L. [Remarques sur un opuscule de M. le vicomte Dubus de Ghisignies, sur douze espèces inédites de Passereaux chanteurs.] < *Compt. Rend. de l'Acad. Sci.*, xl, 1855, pp. 356, 454, 455.  
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1855. COTTLE, T. Coccothraustes vespertina.—Evening Grosbeak. < *Canad. Journ.*, iii, 1855, p. 287.  
Historical and descriptive—occurrence of the species in Canada.
1855. DEHNE, A. Loxia leucoptera Gmel. und Loxia bifasciata Brehm. < *Allg. deutsche naturh. Zeitung*, n. F., i, 1855, p. 439.  
Nebst Nachschrift von Reichenbach, p. 440.—Nicht mir selbst zugänglich.
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As instanced by Audubon in the case of *Guiraca caerulea*, etc.
1855. NORMAN, G. Occurrence of large Flocks of Crossbills [Loxia curvirostra] near Hull. < *Zoologist*, xiii, 1855, p. 4808.
1855. STEVENSON, H. The Lapland Bunting (Plectrophanes [Centrophanes] lapponica) in Norfolk. < *Zoologist*, xiii, 1855, p. 4631.
1856. BOLD, T. J. Crossbill [Loxia curvirostra] breeding in the North of England. < *Zoologist*, xiv, 1856, pp. 5159, 5160.
1856. BREHM, C. L. Etwas über die Leinzeisige, Linaria, Briss. < *Naumannia*, vi, 1856, pp. 173-177.  
1) Von rothbrüstigen, *L. longirostris*, *tenuirostris*, *holbölli*, *aliorum*, *agrorum*, *betularum* et *microchrychus*. 2) Von weissbrüstigen, *L. borealis*, *robusta*, *rufescens*, *dubia*, *canicularis*, *assimilis*, *leucocottus*, *septentrionalis*, *flavirostris*, *pustilla*.
1856. SMITH, J. A. [Note on *Egiothus canescens* in the vicinity of Edinburgh.] < *Edinb. New Philos. Journ.*, new ser., iii, 1856, p. 350.
1857. [BILLINGS, E.] On the Natural History of the Rosignol or Song Sparrow, Fringilla [Melospiza] melodia. < *Canad. Nat. and Geol.*, ii, 1857, pp. 47-52.  
With chars. and synon., copied from Audubon, of 4 spp. of Canadian *Fringillidae*.
1857. BONAPARTE, C. L. Observations sur diverses espèces d'Emberiziens et répartition en genres de cette Sous-famille de Passereaux chanteurs comitostres. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 160-166, pl. 7.  
La sous-famille se trouve limitée aux genres *Cyathraenus*, *Plectrophanes*, *Centrophanes*, *Oncoschospiza*, *Hippocenter*, *Fringillaria*, *Hortulanus*, *Schoeniola*, *Emberiza*, *Buscarla* (type *E. pusilla* Pall.). L'objet principal de ce mémoire est d'illustrer la figure d'un jeune mâle de *Buscarla pitagoris* (pl. 7—"Emberiza scotata" par une erreur de gravure—voir "errata," p. 209.)
1857. D'URBAN, W. S. M. Notice of the Occurrence of the Pine Grosbeak [Pinicola enucleator] and Bohemian Chatterer, near Montreal. < *Canad. Nat.*, i, Jan., 1857, pp. 465-472, woodc.
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Non veduto per me.
1858. BAIRD, S. F. [Ammodromus samuelis, a new Sparrow from California.] < *Proc. Boston Soc. Nat. Hist.*, vi, 1858, pp. 379, 380.
1858. CASSIN, J. [Occurrence of Hesperiphona vespertina in Northern Illinois.] < *Proc. Acad. Nat. Sci. Phila.*, 1858, p. 191.
1858. DOUBLEDAY, H. Plectrophanes nivalis [habits of]. < *Zoologist*, xvi, 1858, pp. 6093, 6094.
1858. HADFIELD, H. W. Emberiza [Plectrophanes] nivalis [habits of]. < *Zoologist*, xvi, 1858, pp. 6239, 6240.

1858. MATTHEWS, M. A. [Note on habits of] *Emberiza* [*Plectrophanes*] *nivalis*. < *Zoologist*, xvi, 1858, pp. 6207, 6208.
1858. SMURTHWAITE, H. Occurrence of Crossbills [*Loxia curvirostra*] in Yorkshire. < *Zoologist*, xvi, 1858, p. 6309.
1859. ANON. Occurrence of the Parrot Crossbill (*Loxia pityopsittacus*) near Brighton. < *Zoologist*, xvii, 1859, p. 6329.
1859. BLAKISTON, T. Scraps from the Far West. < *Zoologist*, xvii, 1859, pp. 6318-6325, 6373-6376.  
Remarks on birds observed in British America between York Factory and Carleton House, and as such only properly citable in another connection: noted here for the detailed account of *Hesperiphona vespertina* which the paper includes.
1859. BREWER, T. M. [Note on the occurrence of *Coturniculus henslowi* in Massachusetts.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1859, pp. 74, 75.  
Corrects his erroneous statement, *tom. cit.*, p. 21, that *Peucaea arctica* had been found in Massachusetts.
1859. GOULD, J. [Exhibition of *Crithagra brasiliensis* shot in England (probably escaped).] < *P. Z. S.*, xxvii, 1859, p. 100.
1859. GRAYSON, A. J. The Crimson-necked or House Finch [*Carpodacus frontalis*]. < *The Hesperian* (San Francisco, Cal.), ii, Mar., 1859, pp. 7 —, with pl. of ♂ and ♀.  
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The original ascription of the species to Ohio: but it had been got in that State in 1847.
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Gedicht.
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*Anas iopareia*, p. 24. *Erismatura vittata*, p. 26. Synonymik von *Chrysomitris barbata*.
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Ins Deutsche übertragen von Dr. C. Bolle aus *Cass. Ill. B. Cal. Texas*, Heft 3, 1853, fig. xiii.
1861. COUES, E. A Monograph of the Genus *Egiothus*, with descriptions of new Species. < *Proc. Acad. Nat. Sci.*, xiii, 1861, pp. 373-390.  
This is an attempt, not entirely successful, to fix the species of this difficult genus with synonymy, description, and criticism. The author recognizes seven species: *E. rostratus* (sp. n., p. 378, Greenland), *canescens*, *exilipes* (sp. n., p. 385, Arctic America), *linaria*, *fuscescens* (Coues, described as sp. n., in *op. tom. cit.*, p. 222, Labrador), *rufescens*, and *holbölli*. The last two are given as doubtfully distinct from *linaria*. (*E. fuscescens* has since been shown to be the dark midsummer plumage of *linaria*, and *rostratus* to bear the same relation to the large Greenland form. *E. exilipes* has been usually accepted as a good species, and of late accredited also to boreal continental parts of the old world.) Cf. *Ibis*, 1862, p. 187.
1861. GLOGER, C. W. L. Richtige Ansicht eines nördlichen Zoologen [Liljeborg] über die Färbung der männlichen Kreuzschnäbel [*Loxia curvirostra*]. < *J. f. O.*, ix, 1861, p. 78.

1861. SCLATER, P. L. On a New Species of Finch, of the Genus *Sycalis* [chrysops], from Mexico. < *P. Z. S.*, xxix, 1861, pp. 376, 377.
1861. W[HEATON], J. M. Bird Talk. < *Field Notes*, vol. i, No. 20, May 18, 1861, p. 153. Occurrence of various birds, especially *Chondestes grammia*, in Ohio.
1862. BREE, C. R. Occurrence of the Parrot Crossbill [*Loxia pityopsittacus*] near Colchester. < *Zoologist*, xx, 1862, pp. 8032, 8033.
1862. CABANIS, J. Zur Synonymie einiger Pipilo-Arten. < *J. f. O.*, x, 1862, pp. 473, 474. *Pipilo crissalis*, *fuscus*, *rutilus*, *maculatus*.
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1862. HADFIELD, H. Occurrence of the Crossbill [*Loxia curvirostra*] in England. < *Zoologist*, xx, 1862, p. 7931.
1862. SCLATER, P. L. On a new Species of Finch, of the Genus *Sycalis* [chrysops], from Mexico. < *Ann. Mag. Nat. Hist.*, 3d ser., ix, 1862, p. 340. From *P. Z. S.*, Nov. 26, 1861, pp. 376, 377.
1862. STEVENSON, H. Occurrence of the Lapland Bunting [*Centrophanes lapponica*] in Norfolk. < *Zoologist*, xx, 1862, p. 8032.
1862. TYLER, R., JR. Occurrence of the Crossbill [*Loxia curvirostra*] near Eye. < *Zoologist*, xx, 1862, p. 7881.
1862. VERRILL, A. E. Description of a Species of *Passerella* [obscura], supposed to be new, from Anticosti. < *Proc. Boston Soc. Nat. Hist.*, ix, 1862, pp. 143-146. It has not proven to be distinct from *P. iliaca*.
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1863. WHEELWRIGHT, H. Change of Plumage in the Crossbills [*Loxia curvirostra*]. < *Zoologist*, xxi, 1863, p. 8492.
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 History—Bibliography—Material examined—Discussion of races and varieties—Geographical Distribution—Habits. Then the species monographed are: *L. atrata*, *L. tephrocotis*, *L. t. vars. littoralis* and *griseinucha*, *L. australis*, *L. brunninucha*.  
 The article is very complete, entering fully into the characters of all these forms of the genus. It became the occasion of a protracted discussion between the author and J. A. Allen: cf. *Bull. U. S. Geol. and Geogr. Surv. Terr.*, ii, 1876, pp. 345-350; *Field and Forest*, ii, 1876, pp. 57-62, and 76-79.
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Scarcely citable as a separate article, as it is part of the general report on the Ornithology of the Survey. It is well, however, thus to call attention to one of several essays on this genus, especially as some of the colored plates illustrate the species. The author recognizes the following forms of the genus:—A. *J. hyemalis*, with var. *alberti*. B. *J. oregonus*, with var. *annectens*. C. *J. cinereus*, with vars. *atlicola*, *dorsalis*, and *caniceps*.—Pl. viii. *J. annectens*. Pl. ix. *J. dorsalis*. Pl. x. *J. cinereus*.
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**Alaudidæ.**

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1860. CLIFFORD, E. A. [On *Sphyrapicus varius*.] < *Prairie Farmer*, April, 1860, and fig. in a subsequent No. of this newspaper.
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- 1861-62. MALHERBE, A. Monographie | des | Picidées | ou Histoire Naturelle | des | Picidés, Picumminés, Yunginés ou Torcols | comprenant | dans la première partie, | L'origin mythologique, les mœurs, les migrations, l'anatomie, la physiologie, la répartition géographique, | les divers systèmes de classification de ces oiseaux grimpeurs zygodactyles, ainsi qu'un | dictionnaire alphabétique des auteurs et des ouvrages cités par abréviation : | dans la deuxième partie, | La synonymie, la description en latin et en français, l'histoire de chaque espèce, ainsi qu'un | dictionnaire alphabétique et synonymique latin de toutes les espèces; | par | Alf. Malherbe | [etc., 6 lignes.] | — | Texte [Planches]— Vol. I [-IV] | Metz—1861 [1862] | — | Typographie de Jules Verronnais, Imprimeur de la Société | d'Histoire Naturelle de la Moselle | 4 vols. folio. (2 vols. texte, 2 vols. pll. color.) Texte, Vol. I, 1861, 1 p. l., pp. i-lxx (+ 6 ll. interpol.), 1-214. Texte, Vol. II, 1862, 1 p. l., pp. 1-325. Planches, Vol. III, 1861, 1 p. l., pp. 1-8, pll. i-lx. Planches, Vol. IV, 1862, 1 p. l., pp. 1-6, pll. lxi-cxxi.
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 Note of the continuance of *Hylatomus pileatus* in N. W. Ohio.
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1862. LAPHAM, I. A. [Letter on the habits of *Sphyrapicus varius*.] < *Proc. Boston Soc. Nat. Hist.*, ix, 1862, pp. 55, 56.
1863. BOUVÉ, T. T. [Remarks on the injury done to a house by *Sphyrapicus varius*.] < *Proc. Boston Soc. Nat. Hist.*, ix, 1863, pp. 248, 249.

1863. CABANIS, J., and HEINE, F. *Museum Heineanum*. — | Verzeichniss | der | ornithologischen Sammlung | des | Oberamtmann | Ferdinand Heine | auf | Gut St. Burchard | vor Halberstadt. | Mit kritischen Anmerkungen und Beschreibung fast | sämtlicher bekannten Arten systematisch bearbeitet | von | Dr. Jean Cabanis, | erstem Custos der königlichen zoologischen Sammlung in Berlin | und | Ferdinand Heine, | Stud. philos. | — | IV. Theil. | die | Klettervögel | enthaltend. | Heft 2: Spechte [Picidæ]. | — | Halberstadt, 1863. | In Commission der Frautzschen Buchhandlung (G. Loose). 8vo. Titel, pp. 1-180.

Anch. unter dem Halbtitel: *Museum | Ornithologicum | Heineanum*. | — | Pars IV. | Scausores. | — | Sectio II. | Picidæ.

The new genera and species of this work are the following: *Pipiscus*, *Nannopipo*, p. 9; *Craugiscus*, p. 10; *Picumnus lepidotus*, p. 14; *P. azaræ*, p. 20; *Dendrocoptes*, p. 41; *Liopipo*, p. 44; *Dendrotypus*, p. 46; *D. nesiotus*, p. 49; *Xylurgus*, p. 50; *X. subrajinus*, p. 50; *Xylocopus*, p. 51; *Bucopipo*, p. 54; *Dryobates homorus*, p. 65; *Threnopipo*, p. 70; *Cactocraugus*, p. 72; *Dictyopipo*, *Xenocraugus*, p. 74; *Cladocopus*, p. 80; *Scapanus*, p. 90; *Caiparchus*, p. 98; *Ipoerantor*, p. 99; *Phloeotomus*, p. 102; *Thriponar*, p. 105; *T. jordani*, p. 105; *Xylolopes*, p. 108; *Lepecestes*, p. 110; *Ipophilus*, p. 113; *Ipoetonus* (Heine, 1860) *lepidus*, p. 118; *Thripis*, p. 121; *Ipagrus*, p. 123; *Ipupatis*, p. 129 (*Stictocraugus* Heine, 1860); *Caipotheres*, p. 131; *Camponomus*, p. 137; *Phaeonerpes reichenbachii*, p. 141; *Campus*, p. 145; *C. agilis*, p. 147; *C. sedulus*, p. 153; *C. hilaris*, p. 154; *Craugasus*, p. 157; *Chrysophilus punctipennis*, p. 163; *Geciniscus*, p. 174.

Most of these genera are useless and burdensome synonyms, resulting from the authors' purism in rejecting prior names not "classical" in form—a practice totally indefensible, unless in exceptional cases.

The original scope of the *Mus. Hein.*, as begun by Cabanis alone in 1850, was much enlarged in later parts by Cabanis & Heine. Thus, Theil IV. (Scausores), of which this Heft 2 consists of the *Picidæ*, amounts to a monography of the several families treated. Elaborate Latin descriptions of all the species in the collection are given, with a copious synonymy of each; and many other species are also as fully treated in German, in the foot-notes, which latter form a running commentary, especially full in synonymy and in criticism of the literary infelicities of previous writers who misspelled or misformed their generic names. The authors are careful to express their surprise at these "barbarisms" with the note of exclamation, and, what is more to the point, to give the etymology of the many new names they are pleased to invent for themselves. Cf. *Ibis*, 1865, p. 101.

1863. CASSIN, J. Notes on the Picidæ, with descriptions of new and little known species. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 194-204, 322-328.

61 spp. critically treated. *Picus orizabæ*, *P. vagatus*, p. 196; *Polipicus* (g. n., p. 196) *elliottii*; *Campepthera vestita*, p. 197; *Chrysopicus malherbei*, p. 198; *Campephilus bairdii*, p. 322, spp. nn.; *Campepthera chrysura*, var. *lineata*, p. 327, n. var.

1863. CASSIN, J. Descriptions of new and little known species of Birds of the family Picidæ in the Museum of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, v, pl. iv, Nov., 1863, art. x, pp. 457-461, pls. li-iii.

Pl. li, f. 1. *Polipicus elliottii* (descr. orig. *Proc. Acad.*, 1863, 197); f. 2. *Campepthera vestita* (descr. orig. l. c.); f. 3. *Chrysopicus malherbei* (descr. orig. l. c., 198). Pl. lii, f. 1. *Picus vagatus* (descr. orig. l. c., 196); fig. 2. *Celeus mentalis* (descr. orig. op. cit., 1860, 13).

1863. [LAPHAM, I. A.] The Sapsucker [*Sphyrapicus varius*]. < *Zoologist*, xxi, 1863, pp. 8767, 8768.

From *Proc. Bost. Soc. Nat. Hist.*, ix, 1862, p. 55.

1865. BRYANT, H. Remarks on *Sphyrapicus varius* Linn. < *Proc. Boston Soc. Nat. Hist.*, x, 1865, pp. 93-95.

Description of hyoid apparatus, in comparison with that of *Picus villosus* and *Colaptes auratus*, and conclusions drawn as to peculiar habits of the bird.

1865. HOY, P. R. The Sapsuck [*Sphyrapicus varius*]. < *Trans. Illinois State Agric. Soc. for 1861-4*, v, 1865, pp. 730-734, pl.

Habits, food, and peculiarities of hyoid apparatus. Treats also of other *Picidæ*, etc.

1866. JACKSON, C. T. [Notes on the Habit of *Melanerpes formicivorus* of hoarding acorns.] < *Proc. Boston Soc. Nat. Hist.*, x, 1866, p. 227.

1866. LORD, J. K. North Western Woodpeckers. < *The Intellectual Observer*, ix, 1866, pp. 321-333, 1 col. pl.

Pl. of *Picus abolarvatus*, ♂, ♀.

1866. SUNDEVALL, C. J. Conspectum Avium Picinarum | edidit | Carolus J. Sundevall | Custos Musci Zool. Stockholmiensis. | — | Stockholmiae 1866. | Samson & Wallin. 1 vol. 8vo. pp. i-xiv, 1-116.

Praemonenda. pp. iii-vi: Index Operis Malherbei, pp. vii-xii; Distributio Picorum geographica, pp. xii-xiv; Conspectus Picorum, pp. 1-3: Pici species, pp. 4-94.—Picumnus, pp. 95-106.—Iynx, pp. 107-109.—Nomina et synonyma specialia Picorum, exclusis Picumnis et Iynxibus, pp. 110-115. Synopsis subgenerum Pici, pp. 115, 116.

Pici species adprobatae 254: incertae et spuriae 24. Picummi species 28. Iynxis species 4.

Synopsis subdivisionum generis Pici: Series I. *Angusticolles*, 1) *Principales*, 2) *Squamipites*, 3) *Parrieaudati*, 4) *Auricipites*. Series II. *Securirostris*, 5) *Nigrorarii*, 6) *Intermedii*, 7) *Paserini*, 8) *Fulvicaipi*, 9) *Menstrui*, 10) *Fuscorubidi*, 11) *Debilipedes*, 12) *Subvirides*. Series III. *Ligonirostris*, 13) *Dominicani*, 14) *Nigropietti*, 15) *Albafasciati*, 16) *Gutticeutres*, 17) *Mesospibi*, 18) *Flavinuchales*, 19) *Virides*, 20) *Chrysuri*, 21) *Aratores*, 22) *Canipilvi*, 23) *Rivoli*, 24) *Aurati*, 25) *Flavifasciati*, 26) *Campestris*. Series IV. *Nudinares*, 27) *Sultanei*, 28) *Auropalliat*, 29) *Fabricistati*, 30) *Aenirostris*.

Picummi genus in tribus 5 divisum: 1) Picummi enormes, 2) normales, 3) subnormales, 4) abnormes, 5) innormales.

Iynxis generis divisiones desunt.

Species omnes Picinarum auctori obviae optime describuntur, characteribus specierum et subspecierum datis, adjectisque synonymis, auctorum citationibus, locis, et notis variis; et sumum cuique proprium locum in serie analytica adhibet auctor.

Picorum species novae sequentes in hoc opere descriptae: *P. canifrons*, p. 26; *P. hedenborgii* (= *P. murinus* Sund., 1850. *acc* Malh., 1845), p. 31; *P. rubidus* (= *reichenbachii* Mus. Hein. *acc* Malh.), p. 35; *P. albipes*, p. 37; *P. scotochlorus*, p. 48; *P. imberbis* (= *Malherbei* Cass. 1863, *acc* Gray), p. 194; *P. submexicanus* (= *mexicanoides* Laf., p. 72; *P. platumbis*, p. 74; *P. philidotis* (= *mentalis* Cass. *acc* Trimm.), p. 87; *P. squamigularis*, p. 89.

Picorum subspecies novae ut sequuntur: *P. (rubricollis) occidentalis*, p. 6; *P. (lineatus) occidentalis*, p. 8; *P. (vacanter) orientalis* et *occidentalis*, p. 11; *P. (cillosum) major*, *medius*, *minor*, p. 16; *P. (minor) borealis*, p. 26; *P. (varius) occidentalis*, p. 34; *P. (goertan) occidentalis*, p. 46; *P. (chrysurus) occidentalis* et *meridionalis*, p. 64; *P. aurato-mexicanus*, p. 72; *P. (sultaneus) major*, *indica*, p. 79; *minor*, p. 80; *P. (javanensis) major*, *minor*, p. 83.

Picumnorum species novae: *P. micromegax*, p. 95; *P. asterias*, p. 97; *P. spilogaster*, p. 100; *P. guttifer*, p. 101; *P. squamifer*, p. 102; *P. sagittatus*, p. 103; *P. nebulosus*, p. 103.

Iynxes novae nullae, sed Iynxis torquille formae novae septentrionalis et meridionalis describuntur p. 108.

Specierum Picorum cognitarum 254 sunt Americanae 132, Europaeo-Asiaticae 90, Africae propriae 32.

Inter species Pici incertae et spuriae sunt 15 dubiae, 2 defectu partium non agnitae, 3 aliorum generum Pico confusae, 4 arte compositae.

"This useful publication consists of a masterly digest of M. Malherbe's great 'Monographie des Picidées,' published at Metz between 1859 and 1862. Each species is fully described, references being made to the works in which it is figured (when such is the case), and its habitat stated. Excellent indices are also added. The *Picidae* are divided into three genera only . . . — a very different treatment of the family from that of most modern authors. We think it needless to indicate the precise limits of the smaller groups of species, or their relation to the too numerous so-called genera which have been lately instituted; for the work is one which must be consulted by any one working up the family, and its last pages contain a concise synopsis of their contents . . . The whole of this careful work is in Latin." (*Zool. Rec.*, iii, p. 77). Cf. also *Ibis*, 1866, pp. 415, 416.

1868. BERENDT, C. H. Report of Explorations in Central America. < (*Twenty-second*) *Ann. Rep. Smith. Inst.* (for 1867), 1868, pp. 420-426.

Allusion to habits of a Woodpecker.

1868. KEDZIE, W. K. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, ii, 1868, p. 3-2.

Laying of 33 eggs by one pair, upon repeated spoliation of their nest.

1868. ———. Saftsugende Trappkikere. < *Tidssk. Pop. Frem. af Naturv.*, 3, Række, v, 1868, pp. 345-347.

"Sap-sucking Woodpeckers."

1869. BARRY, W. E. The Woodpecker [*Picus pubescens*] and Sheldrake [*Mergus* sp.]. < *Am. Nat.*, ii, 1869, pp. 660-662.  
Biographical notes.
1869. FOWLER, A. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, iii, 1869, pp. 422-427.  
Account of the habits of this species and of *Picus pubescens*.
1869. SAUSSURE, H. DE. Los Picos [Picidæ]. < *La Naturaleza*, i, 1869, pp. 129-133.  
Traducido por D. Jesus Sanchez. Sobre las costumbres del "*Colaptes rubricatus*" [i. e., *Melanerpes formicivorus*?].
1871. STROOP, L. J. Habits of the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Am. Nat.*, iv, 1871, p. 692.  
Twenty-two individuals consecutively destroyed while trying to nest in a church-steeple.
1872. CABANIS, J. [Ueber *Centurus polygrammus*.] < *J. f. O.*, xx, 1872, pp. 157, 158.
1872. GARROD, A. H. Note on some of the Cranial Peculiarities of the Woodpeckers. < *Ibis*, 3d ser., ii, 1872, pp. 357-360, woodc.  
With special reference to the presence of a bone believed to be the vomer, absence of which had been asserted. The bone he mentions is situated between the palatals.
1872. THOMPSON, J. M. The Sapsucker [*Centurus carolinus*]. < *Appleton's Journ.*, viii, Dec., 1872, p. 631.
1873. TRIPPE, T. M. The Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, vii, 1873, p. 498.  
Red feathers in the black cheek-patches of a male of this species from New Jersey.
1873. WHITE, C. A. Woodpeckers [*Melanerpes erythrocephalus*] Tapping Sugar Trees. < *Am. Nat.*, vii, 1873, p. 496.  
Observed to tap sound *Acer saccharinum*, for the purpose, apparently, of feeding on the sap.
1874. FERNALD, C. H. The Red-headed Woodpecker in Maine (*Melanerpes erythrocephalus* Sw.). < *Am. Nat.*, viii, 1874, pp. 437, 438.
1876. BREWSTER, W. [Habits of] the Yellow-bellied woodpecker (*Sphyrapicus varius*). < *Bull. Natl. Ornith. Club*, i, No. 3, Sept., 1876, pp. 63-70.
1876. HERRICK, H. Notes from Our Correspondents. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.  
*Melanerpes erythrocephalus* revisiting Northern New Jersey.
1876. [INGERSOLL, E.] A provident woodpecker (*Melanerpes formicivorus*). < *Forest and Stream*, vii, Sept. 7, 1876, p. 68.
1876. [NEWCOMB, R. L.] Notes from Our Correspondents. < *Forest and Stream*, v, Jan. 13, 1876, p. 356.  
Deformity in tongue of *Colaptes auratus*.
1876. SALVIN, O. [Exhibition of piece of trunk of a pine tree from Guatemala perforated by *Melanerpes formicivorus*.] < *P. Z. S.*, May 2, 1876, p. 414.
1877. ALDRICH, C. The Red-Headed Woodpecker [*Melanerpes erythrocephalus*] Carnivorous. < *Am. Nat.*, xi, No. 5, May, 1877, p. 308.
1877. "ARROW." The Red-Headed Woodpecker as an Egg-Sucker. < *Forest and Stream*, Nov. 8, 1877, p. 256.
1877. BOWDWIN, G. Red-Headed Woodpeckers [*Melanerpes erythrocephalus*]. < *Forest and Stream*, viii, July 26, 1877, p. 420.
1877. CALVIN, S. On Changes of Habit among Woodpeckers. < *Am. Nat.*, xi, No. 3, Aug., 1877, pp. 471, 472.
1877. COUES, E. Letters on Ornithology. No. 12.—Woodpeckers [Picidæ]. < *The Chicago Field*, Jan. 13, 1877, p. 348, figg. 6.  
General account of various North American species, with original figures of the heads of *Picus villosus*, *Sphyrapicus thyroideus*, ♂, ♀, *Melanerpes torquatus*, *M. formicivorus*, and *Colaptes auratus*.

1877. LYLE, D. A. Notes on the Breeding habits of the Golden-winged Woodpecker [*Colaptes auratus*]. < *Am. Nat.*, xi, No. 12, Dec., 1877, pp. 747-750.  
Very close observation. Note by E. Cones, on the molestation of this large bird by English Sparrows (*Passer domesticus*).
1877. [SCOTT, W. E. D.] Migration of Woodpeckers [Picidae]. < *The Country*, i, Nov., 10, 1877, p. 31.
1878. ALDRICH, C. Red-headed Woodpecker [*Melanerpes erythrocephalus*] eating Grasshoppers. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 189.  
Communicated by E. C[ones]. The birds caught *Caloptenus spretus* on open prairie, half a mile from timber.
1878. ANON. [Death of a woodpecker by fixing its bill in a piece of wood.] < *The Country*, i, March 9, 1878, p. 261.
1878. BAILEY, H. B. Some New Traits for the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 97.  
Their storing grasshoppers in cracks of wood.
1878. B[REWER], T. M. Picoides Arcticus. < *Forest and Stream*, xi, Oct. 31, 1878, p. 259. See p. 300.  
Correcting misstatement on p. 239.
1878. "I. X." Fly-catching woodpeckers. < *The Country*, i, Feb. 9, 1878, p. 213.
1878. MERRIAM, C. H. Nesting of the Banded Three-toed Woodpecker (*Picoides americanus*) in Northern New York. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 200.
1878. "WILL." The Woodpecker [*Melanerpes erythrocephalus*] as a Flycatcher. < *Forest and Stream*, ix, Jan. 17, 1878, p. 451.
1879. ALDRICH, C. Habits of the Red-headed Woodpecker [*Melanerpes erythrocephalus*]. < *Am. Nat.*, xiii, No. 8, Aug., 1879, p. 522.  
With special reference to the grasshopper-eating proclivities of the bird.
1879. CALVIN, S. On Changes of Habit among Woodpeckers [Picidae]. < *The Oölogist*, iv, No. 11, June, 1879, pp. 91, 92.  
From *Am. Nat.*, xi, No. 8, p. 471.
1879. HOYT, B. F. Nesting under Difficulties [in the case of *Colaptes auratus*]. < *Science News*, i, No. 17, July 1, 1879, p. 272.  
Interesting note of the finding of "six young flickers (*Colaptes auratus*) in a hole which their parents had dug in the hard dry earth of a perpendicular river bank. This hole was about six inches deep and contained no grass or lining of any kind."
1879. LINDAHL, J. Some New Points in the Construction of the Tongues of Woodpeckers [Picidae]. < *Am. Nat.*, xiii, No. 1, Jan., 1879, pp. 43, 44, fig.  
In *Geococcyx viridis* the coruna of the hyoid bone extend far into the nasal cavity of the upper mandible. Asymmetry of the hyoid coruna in other species (but this is well known).
1879. MAYNARD, C. J. The Food of Woodpeckers [Picidae]. < *Scientific Farmer* (Boston), iv, No. 4, Apr., 1879, pp. 50, 51, 2 cuts.  
The figures illustrate bark bored by *Melanerpes formicivorus* to insert acorns, and the stomach of *Colaptes auratus*.
1879. RAGSDALE, G. H. Lewis Woodpecker [*Asyndesmus torquatus*] in Middle Texas. < *Temperance Vedette* (Terrell, Tex.), Aug. 2, 1879.
1879. RAGSDALE, G. H. Centurus aurifrons. < *Science News*, i, No. 20, Aug. 15, 1879, p. 320.  
On its local distribution in Texas.
1879. RAGSDALE, G. H. Centurus aurifrons. < *Temperance Vedette* (newspaper of Terrell, Texas), Sept. 13, 1879.  
From *Science News*. On the local distribution of the species in Texas.
1879. RAGSDALE, G. H. Lewis' Woodpecker [*Asyndesmus torquatus*] in Middle Texas. < *Science News*, i, No. 13, May 1, 1879, p. 208.
1879. SMITH, Q. C. Woodpeckers and Road-runners [*Geococcyx californianus*]. < *Temperance Vedette* (newspaper of Terrell, Texas), Nov. 1, 1879.
1879. WINTLE, E. D. Pileated Woodpecker [*Hylotomus pileatus*] in Canada. < *Forest and Stream*, xiii, Jan. 1, 1879, p. 946.

## Trochilidæ.

1671. [WINTHROP, J.] A further Account of the Stellar Fish; formerly described in Numb. 57, p. 1153; with the Addition of some other Curiosities. < *Philos. Trans.*, vi, 1671, pp. 2221-2224.  
P. 2223, description of nest and eggs of the bird subsequently known as *Trochilus colubris*; nest weighed 24 grains; one egg about 5 grains, the other  $3\frac{1}{2}$  grains.
1693. GREW, N. The Description of the American Tomineus, or Humming Bird, communicated by Nehemiah Grew, M. D. and Fellow of the Royal Society. < *Philos. Trans.*, xvii, 1693, pp. 760, 761.  
Description by Mr. Hamersly, of Coventry; vague and general, but pointing to the bird afterward known as *Trochilus colubris*.
1693. GREW, N. A Query put by Dr. N. Grew, concerning the food of the Humming Bird; occasioned by the Description of it in the Transactions, Numb. 200. < *Philos. Trans.*, xvii, 1693, p. 815.  
Whether it be juice of flowers, or small insects. The question was thus opened very early.
1698. BULLIVANT, B. Part of a Letter from Mr. Benjamin Bullivant, at Boston, in New England: to Mr. James Petiver, Apothecary, and Fellow of the Royal Society, in London. Concerning some Natural Observations he had made in those Parts. < *Philos. Trans.*, xx, 1698, pp. 167, 168.  
Feeding a "Hum-bird" (i. e., *Trochilus colubris*) in captivity with honey.
1777. ———. Description d'un Oiseau-Mouche. < *Obs. et Mém. sur la Phys. (Rozier)*, ix, 1777, pp. 466, 467, fig.  
Pas vue moi-même—le titre tiré de Carus and Engelmann.
1778. BADIER, —. Sur la nourriture des Colibris [Trochilidæ]. < *Obs. et Mém. sur la Phys.*, xi, 1778, pp. 32, 33.  
Not seen.
1802. AUDEBERT, J. B., and VIEILLOT, L. P. Histoire | Naturelle | et Générale | des Colibris, | Oiseaux-Mouches, | Jacamars et Promerops: | [unt. int.] | Par J. B. Audebert et L. P. Vieillot. | — | A Paris, | chez Desray, Libraire, Rue Hautefeuille, N° 36. | An XI=1802. | [De l'imprimerie de Crapelet.] gr. folio. 2 vols. Vol. I, 2 p. ll., pp. i-x, 1-128, pll. 1-70; pp. 1-8, pll. 1-6; pp. 1-28, pll. 1-9. Vol. II, 2 p. ll., pp. 1-128, pll. 1-88; pp. 1-40, pll. 1-16.
- Contents of Vol. I.*
- Oiseaux dorés | on | a reflets métalliques. | — | Tome Premier. | 1 leaf, backed with Crapelet's imprint.  
Title-page of Vol. I, as above, 1 leaf, backed blank.  
Advertisement, pp. i-viii. List of subscribers, pp. ix, x. Preface, pp. 1-4.  
Histoire Naturelle des Colibris et des Oiseaux-Mouches, pp. 5-128, pll. 1-70.  
Histoire Naturelle | des Jacamars. | Par L. P. Vieillot. | pp. 1-8, pll. 1-6.  
Histoire Naturelle | des Promerops. | Par L. P. Vieillot, Naturaliste-Voyageur. | pp. 1-22, pll. 1-9.  
Table générale des matières [pour les Colibris, les Jacamars et les Promerops], pp. 23-28.
- Contents of Vol. II.*
- Oiseaux dorés | on | a reflets métalliques. | — | Tome second. | 1 leaf, backed with Crapelet's imprint.  
Title page of Vol. II, as follows: | Histoire Naturelle | et Générale | des Grimpereaux | et | des Oiseaux de Paradis. | Par J. B. Audebert et L. P. Vieillot. | — | A Paris, | chez Desray, Libraire, Rue Hautefeuille, N° 36. An XI=1802. | 1 leaf, backed blank.  
Histoire Naturelle des Grimpereaux Souf-Mangas. pp. 1-68, pll. 1-41.  
Histoire Naturelle des Grimpereaux Guit-guits. pp. 69-84, pll. 42-51.  
Histoire Naturelle des Grimpereaux Héoro-taires. pp. 85-106, pll. 52-71.

## 1802. AUDEBERT, J. B., and VIEILLOT, L. P.—Continued.

Histoire Naturelle des Grimpereaux. pp. 107–128, pl. 72–88.

Histoire Naturelle | des | Oiseaux de Paradis. | pp. 1–34, pl. 1–16.

Table générale des matières. pp. 35–40.

The composition of the whole work is not evident at first sight. As consisting of two vols folio, the general title is simply OISEAUX DORÉS OU À REFLETS METALLIQUES, by Audebert and Vieillot, and such is the preliminary half-title printed on the first leaf of each vol.

But the full title-page of Vol. I is as above given. It includes the Colibris and Oiseaux-Monches (= *Trochilidae*), by both authors; then the Jacamars (*Galbuidae*) by Vieillot, separately paged and half-titled, plates separately numbered; then the Promerops (*Upupidae*, *Promeropidae*, etc.) by Vieillot, also half-titled, separately paged, and the plates separately numbered. The vol. closes with a table of contents of the whole, continuously paged with Promerops.

Vol. II is still more composite as to the birds treated, but has only two paginations and two numerations of plates. The preliminary title is Oiseaux dorés, etc., as before, Vol. II. The full-page title is as given above under "Contents"; but the "Grimpereaux" of the full title are subdivided by a sort of chapter-headings into "Grimpereaux Soui-Mangas", "Grimpereaux Guit-guits", "Grimpereaux Héoro-taires", and "Grimpereaux"; continuously paged, their plates continuously numbered. Then the "Oiseaux de Paradis" are half-titled, separately paged, and their plates separately numbered. The vol. closes with a table of contents of the whole, continuously paged with Oiseaux de Paradis.

The "Grimpereaux" are a most miscellaneous lot of birds, about equal to the Linnæan *Certhia*; including *Meliphagidae*, *Certhiidae*, *Sylviolidæ*, *Dendrocolaptidae*, etc. The Paradise birds are less composite, but still include others than the *Paradisæide* of modern authors.

The work is said to have been published in 32 livraisons, the dates of which are unknown to me. The date above given is that of the title-page of each vol., being the completion of the work. There are said to be actually 192 plates, though the ostensible series is  $70 + 6 + 9 + 88 + 16 = 189$ . The edition is said to have been of 200 copies. There are said to have been also 100 copies printed on vellum, and 10 copies printed with gold instead of black ink. In the copy examined, in the Libr. Phila. Acad., the names on the plates are all in gold.

Fortunately or otherwise, no scientific nomenclature is used in this luxurious work. It should be used in connection with Vieillot's article "Colibri" in *Nouv. Dict. d'Hist. Nat.*, vii, 1817, which see.

1804. BARTON, B. S. Facts relative to the Food of the Humming-Bird [*Trochilus colubris*]. < *Barton's Med. and Phys. Journ.*, part i, vol. i, 1804, pp. 88, 89.

"—that the *Trochilus* does actually subsist, in part, upon the different species of insects"

1817. V[IEILLOT, L. P.] Colibri. *Trochilus*, Lath. < *Nouv. Dict. d'Hist. Nat.*, vii, 1817, pp. 340–376, pl. B 38, B 19.

In Audebert and Vieillot's ouvrage de luxe, *Oiseaux dorés ou à reflets métalliques*, which was completed in 1802, no scientific names are given to the Hummers and other glittering birds so beautifully depicted; but in the present article, Vieillot names many species in due form, with references to the plates of the *Ois. dor.*, as follows:—*T. caudatus*, V., p. 347; *T. multicolor*, Lath., p. 347; *T. azur*, V., p. 347; *T. superciliosus*, Lath., p. 347 (pl. 17, 18 of *Ois. Dor.*); *T. fuscus*, V., p. 348; *T. galeritus*, Lath., p. 348; *T. cinereus*, Lath., p. 348 (pl. 5 of *O. D.*); *T. leucurus*, Lath., p. 348; *T. nigricollis*, V., p. 349; *T. fulvifrons*, Lath., p. 349; *T. flavifrons*, Lath., p. 349; *T. granatinus*, Lath., p. 350 (pl. 4 of *O. D.*); *T. aurulentus*, Audeb., p. 350 (pl. 12, 13 of *O. D.*); *T. elegans*, Audeb., p. 351 (pl. 14 of *O. D.*); *T. pectoralis*, Lath., p. 351; *T. paradisæus*, Lath., p. 352; *T. cristatellus*, Lath., p. 352; *T. hirsutus*, p. 352 (pl. 20 of *O. D.*); *T. thau mantius*, Lath., p. 353; *T. maynæ*, Lath., p. 353 (pl. 7 of *O. D.*); *T. mango*, var., p. 353; *T. quadricolor*, Lath., p. 353; *T. viridis*, V., p. 354 (pl. 41 of *O. D.*); *T. torquatus*, Lath., p. 354; *T. atricapillus*, V., p. 354; *T. polytmus*, Lath., p. 355 (pl. 47 of *O. D.*); *T. pella*, Lath., p. 355 (pl. 2, 3 of *O. D.*); *T. exilis*, Lath., p. 356; *T. atrigaster*, V., p. 356 (pl. 65 of *O. D.*); *T. punctatus*, Lath., p. 357 (pl. 8 of *O. D.*); *T. viridis*, V. [not *viridis* of p. 354], p. 357 (pl. 15 of *O. D.*); *T. brasiliensis*, Lath., p. 357 (pl. 19 of *O. D.*); *T. holosericeus*, Lath., p. 357 (pl. 6 of *O. D.*); *T. violaceus*, Lath., p. 358; *T. punctulatus*, Lath., p. 358; *T. amethystinus*, Lath., p. 358; *T. albicinctus*, V., p. 359 (pl. 45 of *O. D.*); *T. sericeocinctus*, V., p. 359; *T. cinereus*, V., p. 359; *T. mellivorus*, Lath., p. 360 (pl. 22, 23, 24 of *O. D.*); *T. obscurus*, Lath., p. 361; *T. splendidus*, V., p. 361; *T. ourossia*, Lath., p. 361; *T. carunculatus*, Lath., p. 361 (pl. 5 of *O. D.*); *T. cæruleus*, V., p. 361 (pl. 40 of *O. D.*); *T. maculatus*, V., p. 361 (pl. 44 of *O. D.*); *T. ruficollis*, V., p. 362; *T. leucogaster*, Lath., p. 363 (pl. 43 of *O. D.*); *T. mellisugus*, Lath., p. 363 (pl. 39 of *O. D.*); *T. maximus*, Lath., p. 364; *T. ornatus*, Lath., p. 364 (pl. 49 of *O. D.*); *T. cristatus*, Lath., p. 365; *T. pileatus*, Lath., p. 365 (pl. 63 of *O. D.*); *T. latipennis*, Lath., p. 365 (pl. 21 of *O. D.*); *T. longirostris*, V., p. 366 (pl. 59 of *O. D.*); *T. macrourus*, Lath., p. 366; *T. forficatus*, Lath., p. 366 (pl. 60 of *O. D.*); *T. magnificus*, V., p. 367; *T. macroratus*, V., p. 367; *T. mangensis*, V., p. 368 (pl. 37 of *O. D.*); *T. auritus*, Lath., p. 368 (pl. 25, 26 of *O. D.*); *T. minimus*, Lath., p. 369; *T. ruber*, Lath., p. 369; *T. cyanurus*, V., p. 369; *T. glaucopsis*,



1817. V[ELLLOT], L. P.—Continued.

Lath., p. 370: *T. ruficaudatus*, V., p. 370 (pl. 27, 28 of *O. D.*); *T. platycrus* Lath., p. 370 (pl. 28 of *O. D.*); *T. colubris*, Lath., p. 371 (pl. 31, 32, 33 of *O. D.*); *T. rubineus*, Lath., p. 371; *T. microschilus*, Lath., p. 372 (pl. 55 of *O. D.*); *T. sulphurinus*, Lath., p. 373 (pl. 35, 57, 58 of *O. D.*); *T. bicolor*, Lath., p. 373 (pl. 36 of *O. D.*); *T. collaris*, Lath., p. 374 (pl. 61, 62 of *O. D.*); *T. leucocrotophus*, V., p. 374; *T. cyanocephalus*, Lath., p. 375; *T. viridissimus*, V., p. 375 (pl. 39 of *O. D.*); *T. guianensis*, Lath., p. 375; *T. fuscatus*, Lath., p. 376 (pl. 34 of *O. D.*). The article acquires consequence from thus furnishing a technical nomenclature to the *Oscenæ Doreæ*. Most if not all, of the species marked "V." are technically new. Many of the rest attributed to Latham, are really Gmelinian, Linnaean, or other names.—See 1802, ALPHEGERI and VELLLOT.

1822. MAXIMILIAN. — Ueber die Nahrung der Fliegenvögel (Trochilus) [Trochilidæ]. < *Oken's Isis*, Jahrg. vi, 1822, pp. 470-472.

1824. BULLOCK, [W.] Ueber Colibris. < *Fror. Notiz.*, ix, No. 1-3, 1-24, pp. 100-104.  
Nicht mir selbst zugänglich—Titel aus C. u. E. *Bibl.*. Aus dessen: "Six Months' Residence in Mexico" (London, 1824).

1824. WILSON. — Note sur l'anatomie de l'Oiseau-mouche. < *Bull. Sc. Médic.*, —, 1824, pp. 9- —,  
Not seen—title from Gichel.

1827. VOGT, —. W. Bullock über die Colibri's. (Aus dessen: Six Month's Residence in Mexico etc. London 1824.) < *Ornis*, Heft iii, 1-27, pp. 98-111.

1828. [LESSON, R. P.] Histoire Naturelle des Oiseaux-Mouches: par R. P. Lesson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xv, 1828, pp. 303, 304.  
Extrait du Prospectus de cet ouvrage.

1828. RENNÉ, J. Nahrung des Colibri. < *Fror. Notiz.*, xxiii, No. 4-8, 1-28, p. 54.  
Nicht mir selbst zugänglich—Titel aus Carnus u. Engelmann.

1829. ANON. Histoire naturelle des oiseaux mouches, par Lesson. Paris chez A. Bertrand. 20, gr. 8; libr. 1, 2; pl. illum. < *Oken's Isis*, Bd. xxii, 1829, p. 7-5.

1829. ANON. Histoire naturelle des Oiseaux-Mouches: par M. R. P. Lesson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xvii, 1829, pp. 123, 124.

1829. ANON. Histoire naturelle des Oiseaux-Mouches: par R. P. Lesson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xvi, 1829, pp. 281, 282.

1829. ANON. Histoire naturelle des Oiseaux-Mouches: par R. P. Lesson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xix, 1829, pp. 352, 353.

1829. ANON. Histoire naturelle des Oiseaux-Mouches, etc.: par M. R. P. Lesson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xvi, 1829, pp. 462, 463.

This and the four preceding anonymous titles of similar character are simply notices of the livraisons of the work as they successively appeared; some of them are signed "D."

1829. LESSON, R. P. Histoire Naturelle | des | Oiseaux-Mouches, | ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | et dédié à A. S. A. R. Mademoiselle; | Par R. P. Lesson, | [etc., 8 lignes. | [Quotation.] | — | Paris, | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde du capitaine Duperrey, | Rue Hautefeuille, N<sup>o</sup> 23, | No date. (1829.) 8vo. pp. i-xlvj, 1-223; pl. color. 1-85, + 48 bis (86 plates in all).

Published in 17 livraisons, beginning Jan. 1829; and ending Sept., 1829. This is the original series of Lesson's illustrations of Humming-birds, from which the two succeeding ones and Index Général are to be carefully distinguished. pp. i-xlvj, title, dedication, advertisement (latter dated 10 janvier 1829), and tableau des espèces décrites et figurées dans cette histoire naturelle (mai 1829): 1-223, the regular text; to this belongs the original series of 1-85 (86) plates. This set of plates and accompanying text is citable as one work under the above title, commonly called "Oiseaux-Mouches." The work is found bound in 1 vol., text and plates; or in 2 vols., one of letter-press, the other of plates; or text bound with that of Lesson's two other series of Hummers, the "Colibris" and the "Trochilidées." The plates are either plain or colored; or both, in duplicate sets. Compare the other titles given beyond, at 1830-31, and 1832, same author.

The *Trochilidæ* figured and described in this work are:—Plate 1. *Ornismyza petasophora*, p. 37. 2. *O. superba*, p. 40. 3. *O. tristis*, p. 43. 4. *O. rivoli*, p. 48. 5. *O. cyanopogon*, p. 50. 6. *O. cora*, p. 52. 7, 8. *O. chrysophora*, p. 55. 9. *O. arsenavii*, p. 60. 10, 11. *O. aurita*, p. 63. 12, 13,

## 1529. LESSON, R. P.—Continued.

*O. amazili*, p. 67. 14. *O. sephaniodes*, p. 69. 15. *O. heteropugia*, p. 72. 16. *O. nattererii*, p. 75. 17. *O. cephalatra*, p. 78. 18. *O. furecata*, p. 82. 19. *O. vesper*, p. 85. 20. *O. temminckii*, p. 88. 21. 22. *O. mellivora*, p. 90. 23. 24. *O. delalandi*, p. 95. 25. *O. hirundinacea*, p. 98. 26. *O. langsdorffii*, p. 102. 27. 28. *O. sapho*, p. 205. 29. 30. *O. mesoleuca*, p. 110. 31. 32. *O. cristata*, p. 113. 33. *O. simplex*, p. 119. 34. *O. simplex*, p. 121. 35. *Campylopterus curvipennis*, p. 124. 36. *Trochilus falcatulus*, p. 126. 37. *T. recurvirostris*, p. 129. 38. 39. *T. lugubris*, p. 132. 40. *Ornismya platara*, p. 136. 41. *O. ornata*, p. 139. 42. 43. *O. strumaria*, p. 143. 44. 45. 46. *O. rubinea*, p. 146. 47. *O. amethystina*, 48, 48 bis, *O. colubris*, p. 151. 49. 50. *O. bicolor*, p. 161. 51. *O. auduberti*, p. 164. 52. 53. 54. *O. moschita*, p. 166. 55. 56. 57. *O. sapphirina*, p. 172. 58. 59. *O. glaucopsis*, p. 175. 60. *O. viridis*, p. 178. 61. *O. erythronotos*, p. 181. 62. *O. tephrocephalus*, p. 182. 63. *O. albicollis*, p. 184. 64. *O. rieilloti*, p. 186. 65. *O. prasina*, p. 188. 66. 67. *O. sasin*, p. 190. 68. 69. *O. maugei*, p. 194. 70. *O. swainsonii*, p. 197. 71. *O. cyanea*, p. 199. 72. *Trochilus multicolor*, p. 201. 73. *Ornismya wagleri*, p. 203. 74. *O. anna*, p. 205. 75. *O. viridissima*, p. 207. 76. *O. albiventris*, p. 209. 77. *O. brevirostris*, p. 211. 78. *O. albirostris*, p. 212. 79. *O. minima*, p. 213. 80. *O. clementie*, p. 216. 81. generic characters. 82. 83. 84. 85. nests. The Tableau des espèces records 58 spp., all under "*Ornismya*," nob., p. x, but rearranged under the "tribes" *Cyananthus* Sw., p. xj; *Phaethornis* Sw., p. xvij; *Platurus*, nob., p. xxij; *Laniopornis* Sw., p. xxij; *Lophornis*, nob., p. xxvij; *Campylopterus* Sw.: to which 58 spp. there are added (Sept., 1829) *O. clementie*, which was figured pl. 80, but omitted from the Tableau, and *O. cyanocephalus*, nob., p. xlv. Nearly all these species are described as if new—Lesson even giving them new specific names when he quotes older ones, a common practice with this author.

## 1829. LYON, Capt. Extract of a Letter from Capt. Lyon, R. N., Corr. Memb. Z. S., &amp;c., to a Friend in England, dated Gongo Soco, Brazil, 17th March, 1829. &lt; Zool. Journ., v, 1829, pp. 1, 2, figs. 1, 2.

Relating to the nidification of a species of Humming-bird, which increased the capacity of the nest with the growth of the young.

## 1829. RENNIE, J. Food of the Humming bird. &lt; London's Mag. Nat. Hist., i, 1829, pp. 371, 372.

1530. ANON. Histoire naturelle des Oiseaux Mouches; par R. P. Lesson . . . < Fé-russ. Bull., 2<sup>e</sup> sect., xxi, 1830, pp. 142 and 320.1530. [LESSON, R. P.] Histoire naturelle des Colibris, suivie d'un supplément à l'Histoire naturelle des Oiseaux-Mouches; par R. P. Lesson. . . . < Fé-russ. Bull., 2<sup>e</sup> sect., xxii, 1830, pp. 323-325.

Prospectus.

1530-31. LESSON, R. P. Histoire Naturelle | des Colibris. | suivie | d'un supplément | à l'histoire naturelle | des | Oiseaux-Mouches; | ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | et dédié | A M. le Baron Cuvier. | Par R. P. Lesson. | [Quotation, 9 lignes.] | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde du capitaine Duperrey, | Rue Haute-fenille, N<sup>o</sup> 23. | No date. (1830-31.) 8vo. pp. i-x, 1-196; pll. 1-25, 12 bis, 13 bis (Colibris), 1-39 (Suppl. Ois.-Mouches) = 66 plates in all.

Published in 13 livraisons, monthly or thereabouts, each of 5 or 6 plates and accompanying letter-press, beginning Oct., 1830, and ending Dec., 1831. This is the second series of Lesson's Hummers, consisting of "Colibris" and "Supplément Oiseaux-Mouches," the two portions of this work being continuously paged, but the two sets of plates being separately enumerated: pp. i-x, title, dedication, and preface; pp. 1-90, text of Colibris; pp. 91-192, text of Suppl. Ois.-Mouch.; pp. 193-196, Indexes to each; pll. 1-25, 12 bis, 13 bis, for Colibris, pll. 1-39 for Suppl. Ois.-Mouches. The text of this work is citable as "Col. et Suppl. Ois.-Mouch.," but in citing the plates, it must be specified which series is meant. Compare same author at 1829 and 1832.

The following are figured and described in "Colibris":—Pl. 1. *Ramphodon* (g. n.) *maculatum*, p. 18. 2, 3, 4, 5. *Trochilus pella*, pp. 21, 27, 31, 33. 6, 7. *T. superciliosus*, pp. 35, 38. 8. *T. squalidus*, p. 40. 9. *T. rufigaster*, p. 43. 10. *T. auratus*, p. 46. 11. *T. viridis*, p. 50. 12, 12 bis, *T. gramineus*, pp. 52, 56. 13, 13 bis, 14. *T. mango*, pp. 58, 62, 64. 15. *T. nitidus*, p. 66. 16, 17, 18, 19. *T. aurulentus*, pp. 68, 71, 73, 74. 20. *T. holosericeus*, p. 76. 21. *T. hirsutus*. 22. *T. leucurus*. 23. *T. simplex*, p. 86. 24. *T. prerostii*, p. 87. 25. Détails anatomiques et caractères des Colibris.

In the "Suppl. Ois.-Mouches" are described and figured the following:—Pl. 1. *Ornismya dupontii*, p. 100. 2. *O. audenotii*, p. 102. 3. *O. anais*, p. 104. 4. *O. chrysur*, p. 107. 5. *O. sephanioides*, p. 109. 6. *O. simplex*, p. 111. 7. *O. anna*. 8. *O. clementie*, p. 115. 9, 10. *O. cyano-pogon*, pp. 117, 119. 11, 12, 13. *O. sasin*, pp. 121, 123, 124. 14. *O. tricolor*, p. 125. 15. *O. pampa*,

## 1830-31. LESSON, R. P.—Continued.

p. 127. 16. *O. langsdorffii*, p. 129. 17, 18. *O. cyanocephala*, pp. 132, 134. 19. *O. delalandii*, p. 136. 20, 21, 22. *O. amethystina*, pp. 138, 141, 142. 23. *O. cyanea*, p. 143. 24. *O. arosetta*, p. 145. 25. *O. eriphile*, p. 148. 26. *O. wiedii*, p. 150. 27. *O. arsenii*, p. 152. 28, 29. *O. arsenoe*, pp. 154, 156. 30. *O. oenone*, p. 157. 31. *O. platyrus*, p. 159. 32. *O. chrysolopha*, p. 162. 33. *O. superba*, p. 164. 34. *O. recurvirostris*, p. 166. 35. *O. nana*, p. 169. 36. *O. dumerilii*, p. 172. 37, 38. *O. canicollis*, pp. 174, 177. 39. *O. hirundinacea*, p. 179.

1830. LODDIGES, [G.] [Cephallepis, g. n.] < *P. Z. S.*, i, 1830, p. 12.

1830. SCHIEDEL, — and DEPPE, —. Humming Bird and Insects at a great height on the Volcano of Orizaba. < *Edinb. New Philos. Journ.*, viii, 1830, pp. 203, 204.

1830. VIGORS, N. A. [Characters of a New Species of Humming-bird, *Trochilus loddigesii* Gould.] < *P. Z. S.*, i, 1830, p. 12.

1831. ANON. Histoire naturelle des Oiseaux-Mouches, par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2<sup>e</sup> sect., xxiv, 1831, pp. 200-202.

This is simply one of the many notices of Lesson's works on Hummers which appeared in this Bulletin during the progress of the publication.

1831. ANON. Histoire naturelle des Colibris. . . : par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2<sup>e</sup> sect., xxiv, 1831, p. 202.

1831. ANON. Histoire naturelle des Colibris. . . : par R. P. Lesson. . . . < *Fé-russ. Bull.*, 2<sup>e</sup> sect., xxv, 1831, pp. 118, 119.

1831. ANON. Les Trochilidées ou les Colibris, et les Oiseaux-Mouches; par R.-P. Lesson. . . . < *Fé-russ. Bull.*, 2<sup>e</sup> sect., xxvi, 1831, pp. 77-79.  
Prospectus.

1831. LYON, Capt. [Ueber das Nest der Colibri.] < *Oken's Isis*, Bd. xxiv, 1831, p. 714.  
Auszug aus den *Zool. Journ.*, Bd. v, No. xvii, 1829, pp. 1, 2.

1831. VIGORS, N. A. [Remarks on exhibition of several species of Humming-birds.] < *Philos. Mag.*, ix, 1831, p. 62.

From *P. Z. S.*, i, Dec. 14, 1830, p. 12, q. v. for an n. sp.

1832. LESSON, R. P. Les | Trochilidées | ou | les Colibris | et | les Oiseaux-Mouches. | suivis d'un Index Général. | dans lequel sont décrites et classées méthodiquement toutes les races | et espèces du genre *Trochilus*. | Ouvrage orné de planches | dessinées et gravées par les meilleurs artistes, | par R. P. Lesson. | Splendet ut sol. | Maregrave. | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde par le Capitaine Duperrey, | rue Haute-fenille, n° 23. | No date. (1832.) 8vo. pp. i-iv, 1-171, i-xliij (Index Général), pll. 1-66.

The Index separately titled as well as paged, thus: Index | Général et Synoptique des oiseaux | du | Genre *Trochilus*, | Par R. P. Lesson. | — | Paris. | Arthus Bertrand, Libraire, | éditeur du voyage autour du monde par le capitaine Duperrey, | rue Haute-fenille, n° 23. | — | M DCCC XXXII. 8vo. pp. i-xliij.

Published in 13 livraisons, monthly or thereabouts, each of 5 plates and accompanying letter-press. The "Colibris" was finished in Dec., 1831, and the preface to the "Trochilidées" is dated 1831; but probably nothing appeared until 1832, which latter is the date of completion of the work, on the title of the Index Général. Compare same author, at 1829 and 1830-31.

In this, the third and last series of Lesson's Hummers, are described and figured:—Plate 1, *O. colubris*, p. 1. 2. *Troch. longuemareus*, p. 15. 3. *T. maseppa*, p. 18. 4. *O. cristata*, p. 20. 5. *T. buffonii*, p. 31. 6. *O. vesper*, p. 33. 7. *O. viridissima*, p. 35. 8, 9, 10, 11. *O. vieilloti*, pp. 37, 41, 44, 46. 12. *O. petasophora*, p. 48. 13. *T. darvidianus*, p. 50. 14. *O. sapphirina*, p. 53. 15. *O. moschita*, p. 55. 16, 17. *O. bicolor*, pp. 58, 60. 18. *T. bourcierii*, p. 62. 19. *T. intermedius*, p. 65. 20, 21. *T. pella*, pp. 68, 70. 22. *O. cyanea*, p. 72. 23. *O. arosetta*, p. 74. 24. *O. ornata*, p. 77. 25, 26, 27. *O. amethystoides*, pp. 79, 81, 83. 28, 29. *O. orthura*, pp. 85, 88. 30. nid de l'oiseau-mouche Améthyste, avec son œuf, p. 90. 31. *T. eurynome*, p. 91. 32. *O. albiventer*, p. 94. 33. *O. viridis*, p. 96. 34. *O. superba*, p. 99. 35. *O. langsdorffii*, p. 101. 36. *O. gouldii*, p. 103. 37. *O. underwoodii*, p. 105. 38. *O. kingii*, p. 107. 39, 40. *O. cora*, pp. 109, 111. 41. *O. delalandii*, p. 113. 42. *O. atala*, p. 115. 43. *O. sasin*, p. 117. 44. *O. gura*, p. 119. 45. *O. mesoleuca*, p. 122. 46, 47. *T. cusipennis*, pp. 124, 127. 48. *O. vesper*, p. 129. 49. *O. sapho*, p. 131. 50. *T. stokesii*, p. 135. 51. *T. loddigesii*, p. 138. 52. *O. amethystina*, p. 140. 53. *O. coeligena*, p. 141. 54. *O.*

## 1832. LESSON, R. P.—Continued.

*viridis*, p. 144. 55, 56, *Ramphodon anais*, pp. 146, 148. 57, *Ornismya' anais*, p. 151. 58, *O. cristata* (nidi), p. 153. 59, *O. petasophora*, p. 154. 60, *O. tricolor*, p. 156. 61, *O. nattererii*, p. 158. 62, *T. longuemareus*, p. 160. 63, 64, *O. montana*, pp. 161, 163. 65, *O. kieneri*, p. 165. 66, *O. swainsonii*, p. 167.

In the Index Général, 1832, the 110 spp. treated in all three of Lesson's series of Hummers are rearranged systematically, according to the author's classification, in 27 "races" and sundry "tribes," with short characters and synonymy. *Lesbia* Less., p. xvij; *Coligena* Less., p. xvij.

These three books may be found bound in different ways: generally, with text of all three together, and plates in three separate vols. Index Général belongs to "Trochilidées," as per title of the latter, but is separately titled and pagéd. There are in the whole series 86+66+66=218 plates, but only about 110 species are treated. There are both plain and colored issues of the plates—both together, in the copy examined.

These three books are hard to get the hang of; the titles are so curiously mixed up that there is endless confusion in citing them, especially at second-hand. The three separate series are perfectly distinct works, bibliographically speaking, yet represent a single monograph of the Hummers, with titles enough alike to be confusing, yet not different enough to be distinctive until they are studied out. The following summary may therefore be useful:

LESS., "*Ois.-Mouch.*," pp. i-xiv, 1-233, pll. 1-48, 48 bis., 49-85 (86 plates). Date, 1829.

LESS., "*Colibris et Suppl. Ois.-Mouch.*," pp. i-x, 1-196 (*Colibris*, pp. 1-90; *Suppl. O.-M.*, pp. 91-192). *Colibris*, pll. 1-12, 12 bis, 13 bis, 14-25. *Suppl. O.-M.*, pll. 1-39 (66 plates in the two series). Date, 1830-31.

LESS., "*Trochilidées*," pp. i-iv, 1-171, pll. 1-66. Date, 1832.

Index Général, pp. i-xlij, no plates. Date, 1832.

Lesson's work on the Hummers is notable as one of the earliest extensive monographies of this extraordinary family of birds, being only preceded by that of Andebert and Vieillot. It treats, however, of only about one-third of the species now known, and its claims as a contribution to science are not of the highest. The plates are finely finished, being good work of this French kind, and when colored become very pretty pictures; but the technic of the work, as already hinted, is of moderate merit. Many new species and several new genera are named, and various species are renamed even when the author knew and cited their prior designations—a reprehensible habit which Lesson not seldom indulged.

It appears from *Rev. Zool.*, iii, 1840, p. 71, that Lesson intended to publish a fourth vol.; but it remained inéd.

1832. LODDIGES, G. [Characters of Four New Species of Humming-birds from Popayan, in the Collection of John Gould.] < *P. Z. S.*, ii, 1832, pp. 6, 7.

*Trochilus tyrannanthus*, p. 6; *T. eurpyperus*, *T. flavescens*, *T. gouldii*, p. 7.

1832. LODDIGES, G. [Exhibition and characters of several Humming Birds from Popayan.] < *Philos. Mag.*, xi, 1832, p. 461.

From *P. Z. S.*, Jan. 10, 1832, pp. 6, 7, q. v.

1832. WATERTON, C. Humming-birds. < *London's Mag. Nat. Hist.*, v, 1832, pp. 473-476.

Miscellaneous notes of habits.

1832. WATERTON, C. The Green Humming-bird. < *London's Mag. Nat. Hist.*, v, 1832, pp. 675, 676.1832. WHITE, A. Ueber Colibris. < *Fror. Notiz.*, xxxv, No. 750, 1832, pp. 20-23.

Nicht mir selbst zugänglich—Titel aus Car. und Eng.

## 1833. JARDINE, W. The [Naturalists' Library. | Ornithology. | Vol. 1 [II]. | Humming-Birds. | By | Sir William Jardine, Bart. | F. R. S. E. F. L. S. &amp;c. &amp;c. | Edinburgh: | W. H. Lizars, and Sterling and Kenney; | Longman, Rees, Orme, Brown, Green, and | Longman, London; | and W. Curry, Jun. and Co. Dublin. | — | 1833. 2 vols. 16 mo. Vol. 1: a green half-cover-title, 1 leaf; a notice, 1 leaf; advts., pp. 1-6; half-title, 1 leaf; portrait of Linnaeus; engr. col'd title, backed blank; full title as above, backed with W. Ballantyne &amp; Co.'s imprint; contents, pp. i-iii; blank, p. iv; advt., pp. 1-10; half-title to memoir of Linnaeus, pp. II, 12; memoir of Linnaeus, pp. E3-48; regular text of Humming-birds, pp. 49-147, with pll. col'd 1-34; advts., pp. 1-32 and pp. 1-8. Vol. II, not handled by me.

## 1833. JARDINE, W.—Continued.

"The Naturalists' Library," which reached about 40 vols. through several years, was started in 1833 with Jardine's "Humming-Birds," in 2 vols. The above is the full title and collation of the original issue, in cheap binding and loaded with adverts., differing materially from the later reissue, when the many vols. were systematically rearranged, Mammals first, then Birds, &c. In the final rearrangement, these two Humming-Bird vols. become "Humming-Birds,—Part I [II]," and form Vols. VI, VII. The main text, and the plates, are identical in any issues; but the titles and the furnishings differ. (Compare next title.)

"The Naturalists' Library" was a publisher's enterprise; but the weight of the editor's name, the excellence of the text, and the beauty of the plates, rendered it a very notable work, of no less scientific merit than popular interest and usefulness.

1833. JARDINE, W. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc., | Vol. VI [VII]. | — | Ornithology. | Humming Birds,—Part I [II]. | By the Editor. | — | Edinburgh: | W. H. Lizars, [etc.] n. d. [1833.] 2 vols. 16mo. Vol. VI: portrait of Linnaeus; eng. col'd title: other title: contents, 2 leaves; pp. i-xxxii, 25-191, cuts, pll. col'd 1-34. Vol. VII: portrait of Pennant; eng. col'd title: other title: contents, 2 leaves; pp. 1-192, cuts, pll. col'd, 1-30.

Being Vols. I, II, of the original issue. The date here given is that of the original issue; I do not know exactly when the reissue was made. On the systematic rearrangement of the many vols. of the series, the Hummers, originally Vols. I and II, became "Humming-Birds, Part I [II]," and then formed Vols. VI, VII, of the rearranged series. (Compare last title.)

These two vols. contain memoirs of Linnaeus (Vol. VI) and of Pennant (Vol. VII), and otherwise consist of a monograph of *Trochilidæ*; the text by Jardine, the illustrations by Lizars.

Vol. VI: *Ramphodon neriuss*, pl. 1: *Troch. aroretta*, pl. 2: *T. occurrentirostris*, pl. 3: *T. euagaster*, pl. 4: *T. colubris*, pl. 5: *T. auna*, pl. 6: *T. cyaneus*, pl. 7: *T. prasina*, pl. 8: *T. quadricolor*, pl. 9: *T. delalandii*, pl. 10: *T. moschilus*, pl. 11: *T. sepharoides*, pl. 12: *T. petasophorus*, pl. 13: *T. scutatus*, pl. 14: *T. ornatus*, pls. 15, 16: *T. audacii*, pl. 17: *T. chalybeus*, pl. 18: *T. maculigens*, pls. 19, 20: *T. cornutus*, pls. 21, 22: *T. fuscatus*, pl. 23: *T. reser*, pl. 24: *T. cora*, pl. 25: *T. dunponti*, pl. 26: *T. eucircus*, pl. 27: *T. saphirius*, pl. 28: *T. leucidis*, pl. 29: *T. mellicorvus*, pl. 30: *T. multicolor*, pl. 31: *T. gramineus*, pls. 32, 33: *T. latipennis*, pl. 34 (name *Campylopterus latipennis* on pl.).

Vol. VII: *T. thalassinus*, pls. 1, 2 (*T. auris* on pl.): *T. gigas*, pl. 3: *T. coelestis*, pl. 4: *T. stokessii*, pl. 5: *T. loddigesii*, pl. 6: *T. delalandii*, 7, pl. 7: *T. orthura*, pl. 8: *T. amethystoides*, pl. 9 (*T. amethystina* on pl.): *TT. rubineus montana*, no pl.: *T. longisrostris*, pl. 10: *T. rufus*, pl. 11: *T. gouldii*, pl. 12: *T. tricolor*, pl. 13: *T. lucifer*, pl. 14 (*T. cyanopogon* on pl.): *T. petasophorus*, pl. 15: *T. euagleri*, pl. 16: *TT. bicolor, magerii, glaucopsis, coruleus, swainsonii, erythronotus, cyanogenus, atala*, no pl.: *T. mesoleucus*, pl. 17: *TT. scharnensis, albicollis, superbus*, no pl.: *T. rivoli*, pl. 18: *T. buffini*, pl. 19: *T. mango*, pl. 20: *TT. viridis, holosericeus, leucurus, aurulentus, hypophareus*, no pl.: *T. polythous*, pl. 21: *T. underwoodii*, pl. 22: *T. sparganurus*, pl. 23: *T. auna*, no pl.: *T. pella*, pls. 24, 25: *T. superciliosus*, pls. 26, 27: *T. eurygnome*, pl. 28: *T. guy*, *T. intermedium, boucardi, squalidus, longuemareus, euagaster, daridinus*, no pl.: *T. hirsutus*, pl. 29: *T. maezappa*, no pl.: *T. swainsoni*, pl. 30. The synopsis, which follows, is briefly synonymatic and descriptive, adopting Swainson's five subfamilies. This series of illustrations, coming after Lesson's works on the same subject, furnish a valuable check on the species so indiscriminately described as new by the latter, to the great prejudice of others, especially Vieillot.

1833. LA LLAVE, P. DE. [Memoria sobre algunas especies nuevas del género Trochilus.] < *Registro Trimestre*, vol. ii = núm. 5, Enero de 1833, pp. 39-50.

*T. cohnati*, p. 47: *T. xicotencatl*, p. 48: *T. tzacatl*, p. 48: *T. papantzin*, p. 48: *T. topiltzin*, p. 49.

This article has no title, and appears to be little known. I commend it to notice, as containing descriptions of five new Hummers, the names of which, given in due Linnaean form, doubtless antedate others now in general employ.

1833. SCHREIBERS, C. V. [Neue Arten von Trochilus.] < *Oken's Isis*, Bd. xxxvi, 1833, pp. 534, 535.

„Regierungs-Rath von Schreibers aus Wien legte eine Probe des von ihm beabsichtigten, gemeinschaftlich mit den österreichischen Naturforschern herauszugebenden Werkes vor, worin die von den Oesterreichern in Brasilien neu entdeckten Thiere beschrieben und abgebildet werden sollen. Dieselbe besteht in dem ersten Hefte des ornithologischen Theiles, welcher die Beschreibung und Abbildung zweyer neuer Trochilus-Arten enthält, die er dem Könige und der Königin von Ungarn zu Ehren *Trochilus regis* und *Trochilus reginae* nennt, und führet den Titel: *Collectanea ad faunam Brasiliæ*.“

1833. SCHREIBERS, C. V. Caroli a Schreibers | Museorum Regio-Caesareo-Aulicorum ex Hist. Nat. Praefecti etc.. | Collectanea | ad | Faunam Brasiliae. | — | Nova Genera et Species animalium, | a naturae scrutatoribus Caes. Austriacis in Brasilia collectorum. | descripta et iconibus illustrata. | — | Fasciculus I. | — | Viennae. | Impensis Editoris. | 1833. Folio. Cover-title, other title, pp. 1-4, pl. 1.

No more published.—The above is the cover-title of the publication as a whole, of which the present piece is Fasciculus I. To this there is special title as follows: Collectanea | ad Ornithologiam Brasiliae. | — | Beiträge zur Vögelkunde Brasiliens. | — | Neue Arten von Blumenspechten, Colibri; | beschrieben | von | Karl von Schreibers. | — | Wien. | Auf Kosten des Herausgebers. | MDCCCXXXIII. [Gedruckt bey Anton Strauss's sel. Witwe.]

The 4 pages of text are devoted to the description of two new species of *Trochilidae*, viz: *T. regis*, p. 1, pl. 1. f. 1 and 1 a; and *T. reginae*, p. 3. pl. i. f. 2. Besides these, the Plate gives—fig. a. *T. ornatus*; f. b., *T. magnificus*; f. c., *T. strumarius*.

There is no other ornithological matter. Cf. *Isis*, 1833, pp. 534, 535.

1834. BARNES, Mrs. —. [Note on the rearing of a species of Humming-bird (*Mellisuga humilis*?)]. < *P. Z. S.*, ii, 1834, p. 33.
1834. GULDING, L. Facts on Humming-Birds, their Food, the Manner in which they take it, and on their Habits: with Directions for preserving the Eggs of Humming-Birds, and the Forms of the Bodies of Spiders, and Pupae and Larvae of Insects. < *London's Mag. Nat. Hist.*, vii, 1834, pp. 569-573.
1834. VIGORS, N. A. [*Trochilus loddigesii*.] < *Oken's Isis*, Bd. xxvii, 1834, p. 514.  
Auszug aus *Philos. Mag.*, ix, 1831, p. 62.
1835. BARNES, [Mrs. —.] [Colibri aus Jamaica.] < *Oken's Isis*, Bd. xxviii, 1835, p. 1026.  
Auszug aus den *P. Z. S.*, ii, 1834, p. 33.
1835. GERVAIS, [P.] Oiseaux-mouches. Ornithuya. Less. < *Gac. Mag. de Zool.*, 5<sup>e</sup> année, 1835, class. ii, notices xli, xlii, pll. xli, xlii.  
*O. ricordii*, Gerv., pll. xli, xlii, u. sp.
1835. GERVAIS, [P.] Oiseau-mouche. Ornithuya. *O. cinnamomou*. *O. cinnamomens*, Gervais. < *Gac. Mag. de Zool.*, 5<sup>e</sup> année, 1835, classe ii, notice xliii, pl. xliii.
1835. GULDING, L. Ueber die Nahrung des Colibris. < *Fror. Notiz.*, xliii, No. 930, 1835, pp. 71, 72.  
Nicht mir selbst zugänglich. Titel aus Carus und Englm. Aus dessen „Facts on Humming-Birds.“ u. s. w., in *London's Mag. Nat. Hist.*, vii, 1834, pp. 569-573.
1835. LODDIGES, G. [Vier Arten der Trochilidae.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 367, 368.  
Auszug aus den *P. Z. S.*, ii, 1832, pp. 6, 7, q. v.
1837. ANON. Lesson's Werke über die Colibri. < *Oken's Isis*, Bd. xxx, 1837, p. 94.
1837. CHAMBERS, R. [On the Habits and Geographical Distribution of Humming-Birds.] < *P. Z. S.*, v, 1837, p. 37.  
Merely a note of a paper read.
1837. CHAMBERS, R. Observations on the Humming-Bird. < *Charlesw. Mag. Nat. Hist.*, i, 1837, pp. 592-596, fig. 70. (Auch in: *Froriep's Notizen*, iv, No. 84, 1837, pp. 289-292.)  
“These remarks are only those of an ardent admirer of nature, not of an ornithologist.”
1838. GEOFFROY SAINT-HILAIRE, [ISID.] Note sur l'ostéologie des Oiseaux-Mouches, envoyée de Liège. < *Compt. Rend. de l'Acad. Sci.*, vi, 1838, pp. 880-883.  
1<sup>o</sup>. Unité de plan et modifications dans les détails de l'appareil hyoïdien.—2<sup>o</sup>. Unité de plan et modifications dans les détails de l'appareil sternal chez les Oiseaux-mouches, et les grands voiliers, les Frégates.
1838. GEOFFROY SAINT-HILAIRE, [ISID.] [Note sur l'ostéologie des Oiseaux-mouches.] < *Revue Zoologique*, i, 1838, p. 99.  
Extraite des *Comptes Rend. à l'Acad. Sci. Paris*, vi, 1838, pp. 880-883. q. v.

1838. LESSON, [R.] P. Espèces nouvelles d'oiseaux mouches. < *Revue Zoologique*, i, 1838, pp. 314, 315.  
12 espèces, dont quelques-unes récemment décrites: *Ornismya arsinor*, *O. fanny*, *O. vesper*, *O. nana*, *O. vestita*, *O. helianthea*, p. 314; *O. parzudaki* (sic), *O. zemis*, *O. lunachelli*, *O. rhami*, *O. sener*, *Trochilus naïs*, p. 315.
1839. BOISSONNEAU, —. Nouvelles espèces d'Oiseaux-Mouches de Santa-Fé de Bogota < *Revue Zoologique*, ii, 1839, pp. 354-356.  
*Ornismya temminckii*, *O. ensifera*, *O. microrhyncha*, p. 354; *O. paulineæ*, *O. heteropogon*, p. 355.  
Toutes les espèces ici décrites sont figurées, *Guér. Mag. de Zool.*, 1840, pl. 12-16, q. v.
1839. BOURCIER, J. Description de quelques espèces nouvelles d'Oiseaux-Mouches. < *Revue Zoologique*, ii, 1839, pp. 294, 295.  
*Ornismya costae*, *O. allardi*, p. 294; *O. jourdanii*, p. 295.
1839. CHAMBERS, [R.] Ueber die Lebensart und die geographische Verbreitung der Colibri. < *Oken's Isis*, Bd. xxxii, 1839, p. 144.  
*P. Z. S.*, London, März 28, 1837, p. 37.
1839. LATTRE, — DE, and LESSON, [R. P.] Oiseaux-Mouches nouveaux ou très-rares, découverts par M. De Lattre dans son voyage en Amérique et décrits par MM. De Lattre et Lesson. < *Revue Zoologique*, ii, 1839, pp. 13-20.  
*Ornismia* (sic) *campylopterus*, De L., p. 14; *O. lessonii*, De L., p. 15; *O. heloiseæ*, Less. et De L., p. 15; *O. abicilli*, Less. et De L., p. 16; *O. henrica*, Less. et De L., *O. phœbé*, Less. et De L., p. 17; *O. De Lattrei*, Less., p. 19; *Trochilus pretrei*, Less. et De L., *T. eliza*, Less. et De L., p. 20, spp. nn.
1840. BOISSONNEAU, —. G. Oiseau-mouche. *Ornismya*, Lesson. [mut. mut.] < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1840, Oiseaux, pp. 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 13, 14, 15, 16.  
*O. heteropogon*, pl. 12; *O. paulineæ*, pl. 13; *O. temminckii*, pl. 14; *O. ensifera*, pl. 15; *O. microrhyncha*, pl. 16. Toutes les espèces déjà décrites, *Rev. Zool.*, 1839, pp. 354, 355, q. v.
1840. BOURCIER, J. Descriptions et figures de trois espèces nouvelles d'Oiseau-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, iii, 1840, pp. 225-228, 5 pl.  
Not seen—title from C. & E. Bibl.
1840. BOURCIER, [J.] Oiseau-Mouche nouveau [*Ornismya heliordor*]. < *Revue Zoologique*, iii, 1840, p. 275.
1840. FRASER, L. [Characters of new Species of Humming-birds.] < *P. Z. S.*, viii, 1840, pp. 14-19.  
*Trochilus exortis*, p. 14; *T. cupreorentis*, *T. uropygialis*, *T. coruscus*, p. 15; *T. brachyrhynchus*, *T. derbianus*, *T. aurrogaster*, Lodd. MSS., p. 16; *T. fuscicaudatus*, *T. cyanopterus*, Lodd. MSS., *T. gibsoni* Lodd. MSS., p. 17; *T. angustipennis*, *T. parvirostris*, *T. flavicaudatus*, *T. melanogenys*, *T. tyrianthinus*, Lodd. MSS., p. 18.
1840. FRASER, L. [Characters of new Species of Trochilidæ.] < *Annals of Nat. Hist.*, vi, 1840, pp. 151-155.  
From *P. Z. S.*, Feb. 11, 1840, pp. 14-19, q. v.
1840. LESSON, [R. P.] Oiseaux-mouches rares ou nouveaux, communiqués par MM. Longemare et Parzudaki, faisant partie du t. IV inédit de l'histoire naturelle des Oiseaux-mouches de M. Lesson. < *Revue Zoologique*, iii, 1840, pp. 71-74.  
13 spp.—*Ornismya pouchetti*, *O. sylphia*, *Campylopterus rufus*, spp. nn. ?
1841. BOURCIER, J. Description de l'adulte de l'*Ornismia Bonapartei*. < *Revue Zoologique*, iv, 1841, p. 177.
1841. LONGEMARE, G. DE. Oiseau-mouche nouveau [*Ornismia Clarisse*]. < *Revue Zoologique*, iv, 1841, p. 306.  
Fig. *Guér. Mag. de Zool.*, 1842, pl. 26.
1842. BOURCIER, J. Descriptions de quelques espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, v, 1842, pp. 307-310, 4 pl.  
Pas vues moi-même—le titre tiré de la Bibl. de Carus et Engelmann.
1842. BOURCIER, J. Descriptions de quelques espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, v, 1842, pp. 344, 345, 3 pl.  
Pas vues moi-même—le titre tiré de la Bibl. de Carus et Engelmann.

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*Trochilus prerostii*, p. 99; *T. cyanifrons*, *T. goudoti*, p. 100; *T. chrysogaster*, *T. cyanotus*, *T. goffroyi*, p. 101; *T. leadbeateri*, p. 102; *T. fallax*, *T. riefferi*, *T. viridigaster*, p. 103.
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1845. PARZUDAKI, [E.] Nouvelle espèce d'oiseau mouche [Ornismia (sic) isaacsonii]. < *Revue Zoologique*, viii, 1845, p. 95.
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1846. BOURCIER, J. Description de nouvelles espèces de Trochilidées. < *Revue Zoologique*, ix, 1846, pp. 312-314.  
*Trochilus addæ*, p. 312; *T. turnerii*, *T. lumachellus*, p. 313.
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1846. BOURCIER, J., and Mulsant, E. Descriptions de vingt espèces nouvelles d'Oiseaux-Mouches. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, ix, 1846, pp. 313-332, 3 pl.  
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1846. GOULD, J. [Descriptions of three New Species of the Family of Trochilidæ.] < *P. Z. S.*, xiv, 1846, pp. 44, 45.  
*Trochilus coruscans*, p. 44: *T. flabelliferus*, *T. strophianus*, p. 45.
1846. GOULD, J. On twenty [*i. e.*, seventeen] New Species of Trochilidæ or Humming Birds. < *P. Z. S.*, xiv, 1846, pp. 85-90.  
*T. pyra*, *T. smaragdinus*, p. 85; *T. gracilis*, *T. (ocreatus, g. n.) rufocaligatus*, *T. ligonicaudus*, p. 86; *T. cupricauda*, *T. aeneocauda*, *T. violifer*, p. 87; *T. cyanopectus*, *T. aurescens*, *T. fulviventris*, p. 88; *T. nigrofasciata*, *T. ruficeps*, *T. inornata*, *T. regulus*, p. 89; *T. hypoleucus*, *T. hispidus*, p. 90: cf. *tom. cit.*, pp. 44, 45, for the three others.
1846. GOULD, J. [On three new species of Trochilidæ.] < *Ann. Mag. Nat. Hist.*, xviii, 1846, pp. 129, 130.  
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1846. GULLIVER, G. [Note on the Size of the Blood-Corpuscles of Birds, with Measurements by Dr. Day of the Blood-Corpuscles of some Fishes and of a Humming-Bird.] < *P. Z. S.*, 1846, pp. 26-28.  
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1846. LATTRE, A. DE, and BOURCIER, J. Description de quinze espèces nouvelles de Trochilidées, faisant partie des collections rapportées par M. Ad. De Lattre, dont les précédentes excursions ont déjà enrichi plusieurs branches de l'histoire naturelle, et provenant de l'intérieur du Pérou, des républiques de l'Équateur, de la Nouvelle-Grenade et de l'isthme de Panama. < *Revue Zoologique*, ix, 1846, pp. 305-312.  
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*T. mirabilis*, *T. aquila*, p. 42; *T. milleri*, *T. schreibersii*, *T. matthewsii*, p. 43; *T. watertonii* (all from Lodd. MSS.), *T. erebyne*, p. 44; *T. johannee*, *T. conradii*, *T. garrelli*, p. 45; *T. spencei*, *T. ruckeri*, *T. doubledayi*, p. 46; *T. mitchellii*, *T. norrisii*, p. 47, spp. nn.
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1847. BOURCIER, J. Description des nouvelles espèces de Trochilidées. < *Revue Zoologique*, x, 1847, pp. 401, 402.  
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Synopsis of *Petasphora*; *P. isolata*, sp. n., p. 9; *Oreotrochilus*, g. n.: *O. leucopleurus*, *O. melanogaster*, spp. nn., p. 10, with synopsis of the genus: *T. calliope*, sp. n., p. 11. Synopsis of *Eriopus*, n. g., p. 16; *Cometes*, n. g.: *C. phaon*, sp. n., p. 31; *Metallura*, *Doryfera*, genm. nn., pp. 94, 95; *D. violifrons*, *Lophornis reginae*, spp. nn., p. 95; *Trochilus caeruleogaster*, sp. n., p. 96. In 1848: *Helianthea eos*, g. sp. n., p. 11; *Aglacactis caumatotonotus*, *Helangelus mavors*, genm. spp. nn., p. 12; *Thalurania viridipectus*, gen. sp. n.: *Campylopterus obscurus*, sp. n., p. 13; *Trochilus caligatus*, sp. n.: *Oxypegon*, g. n., p. 14.
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1849. GOULD, J. Description of Two New Species with the characters of a New Genus of Trochilidae. < *P. Z. S.*, xvii, 1849, pp. 95, 96.  
*Heliodoxa* (g. n., p. 95) *jacula*, p. 96; *Eriopus simplex*, p. 96.
- 1849-61. GOULD, J. A Monograph of the Trochilidae, or Family of Humming-Birds. By John Gould, F. R. S., [etc., 8 lines.] In Five Volumes. Vol. I[-V]. London: printed by Taylor and Francis, Red Lion Court, Fleet Street. Published by the Author, 26 Charlotte Street, Bedford Square. [1849-]1861. [The author reserves to himself the right of translation.] Five vols. folio. Vol. I, title 1 l., dedication 1 l., list of plates 1 l., pp. i-cxxviii (list of subscribers, preface, introduction, etc.), with unnumbered pll. 1-41, and unpagéd folios accompanying them. Vol. II, title 1 l., list of plates 1 l., with unnumbered pll. 42-116, and unpagéd folios accompanying them. Vol. III, title 1 l., list of plates 1 l., with pll. 117-203, and unpagéd folios accompanying them. Vol. IV, title 1 l., list of plates 1 l., with pll. 204-283, and unpagéd folios accompanying them. Vol. V, title 1 l., list of plates 1 l., with pll. 284-360, and unpagéd folios accompanying.
- The above is the permanent title, furnished on the completion of the work, with the collation of the five vols. in which it is designed that the 25 parts in which the work was published be bound. The cover-title is a little different, as follows:—
- A Monograph of the Trochilidae, or Humming Birds. Dedicated with permission to Her Royal Highness, The Princess Royal of England. By John Gould, F. R. S., &c. — Part I[-XXV]. — Contents. [mut. mut.] London: published by the author. . . . [unt. mut.] [Price Three Guineas.] June 1st. 1849 [-September 1st. 1861]. Part I, June 1st. 1849. 15 pll. and text. Part II, Nov. 1st. 1851, 15 pll. and text. Part III, May 1st. 1852. 15 pll. and text. Part IV, Oct. 1st. 1852, 15 pll. and text. Part V, May 1st. 1853, 15 pll. and text. Part VI, Oct. 1st. 1853, 15 pll. and text. Part VII, May 1st. 1854, 15 pll. and text. Part VIII, Oct. 1st. 1854, 15 pll. and text. Part IX, May 1st. 1855, 15 pll. and text. Part X, Sept. 1st. 1855, 15

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pll. and text. Part XI, May 1st, 1856, 15 pll. and text. Part XII, Sept. 1st, 1856, 15 pll. and text. Part XIII, May 1st, 1857, 15 pll. and text. Part XIV, Sept. 1st, 1857, 15 pll. and text. Part XV, May 1st, 1858, 15 pll. and text. Part XVI, Sept. 1st, 1858, 15 pll. and text. Part XVII, May 1st, 1859, 15 pll. and text. Part XVIII, Sept. 1st, 1859, 15 pll. (of 16 spp.) and text. Part XIX, May 1st, 1860, 15 pll. and text. Part XX, Sept. 1st, 1860, 15 pll. and text. Part XXI, May 1st, 1861, 15 pll. and text. Part XXII, July 1st, 1861, 15 pll. and text. Part XXIII, Sept. 1st, 1861, 15 pll. and text. Part XXIV, Sept. 1st, 1861, 15 pll. and text. Part XXV, no pll. 5 titles for 5 vols, 1 dedication, pp. i-cxxviii, being List of Subscribers, Preface, Introduction, Explanation of Abbreviations and Lists of Generic and Specific names, with 5 ll. of Lists of Plates, one for each vol.—In all, 360 unnumbered plates, and about or exactly as many unpagged folios of text, *plus* the titles, etc., furnished with Part XXV.

The unnumbered plates and unpagged folios of text are designed to be rearranged in making up the five volumes in a systematic sequence given in the "Introduction"; this and the lists of plates being the only clue to the citation of the plates by number. Each of the vols. is dated "1861" on the permanent title-page: but each vol. consists of plates and text published in other years, the appearance of the plates having been according to no systematic arrangement of the genera and species. To preserve dates of publication of the plates, I first give a list of the species according to their appearance in the successive Parts, and then quote the Plates by their numbers in the made-up volumes, according to the sequence indicated in the Introduction.

PART I, June 1st, 1849.—*Trochilus polytmus*, *Oreotrochilus estellei*, *O. leucopleurus*, *O. adela*, *Phaethornis eurynome*, *P. eremita*, *Pterophanes temminckii*, *Dorcinastes ensiferus*, *Spathura underwoodi*, *S. peruana*, *S. rufocaligata*, *Oxygogon guerini*, *O. lindeni*, *Tryphena diponti*, *Augastes scutatus*. (15 spp.)

PART II, Nov. 1st, 1851.—*Topaza pella*, *T. pyra*, *Oreotrochilus chimborazo*, *O. pichincha*, *Eutoxeres aquila*, *E. condamini*, *Glaucis ruckeri*, *Calothorax heliodori*, *C. nudisanti*, *Florisuga mellivora*, *F. flabellifera*, *F. atra*, *Augastes humachellus*, *Phaethornis griseogularis*, *Mellisuga minima*. (15 spp.)

PART III, May 1st, 1852.—*Eustephanus galeritus*, *Cyananthus cyanurus*, *C. smaragdicaudus*, *Gypsus navius*, *Selasphorus rufus*, *S. scintilla*, *S. platycercus*, *Eriocnemis simplex*, *Campylopterus rufus*, *C. hyperythrus*, *Myiochelis cyaneus*, *H. sapphirinus*, *Lophornis chalybeus*, *Calothorax yarrelli*, *Thaumatias chionurus*. (15 spp.)

PART IV, Oct. 1st, 1852.—*Thaumatocystis enicura*, *Cometes sparganurus*, *C. phaon*, *Ramphomicron microrhyncha*, *R. stanleyi*, *R. heteropogon*, *R. ruficeps*, *R. herrani*, *Phaethornis guy*, *P. yaruqui*, *P. symatophorus*, *P. hispidus*, *P. pygmaeus*, *Threnetes leucurus*, *T. antoniae*. (15 spp.)

PART V, May 1st, 1853.—*Heliotrypha viola*, *Petasphora anais*, *P. isolata*, *P. cyanotis*, *P. thalassina*, *P. serrirostris*, *P. coruscans*, *P. delphinae*, *Helionaster longirostris*, *H. constanti*, *H. pinicola*, *H. angelae*, *H. mesoleucus*, *Chlorostilbon prasinus*, *Phaethornis bourcierii*. (15 spp.)

PART VI, Oct. 1st, 1853.—*Empidonax hirundinacea*, *Clytolaema rubinea*, *Urostricte benjamini*, *Dorifera ludovicica*, *D. johannae*, *Heliothrix auritus*, *H. auriculatus*, *H. barrovi*, *Eriocnemis cupreiventris*, *E. mosquera*, *E. luciani*, *Schistes geoffroyi*, *S. albogularis*, *Aphantochroa cirrhopchloris*, *Phaethornis intermedius*. (15 spp.)

PART VII, May 1st, 1854.—*Lesbia amaryllis*, *Calothorax micurus*, *Eustephanus fernandensis*, *E. stokesi*, *Gouldia langsdorffii*, *G. popelairi*, *G. conversi*, *Bourcieria torquata*, *B. fulgidigula*, *B. inca*, *Phaethornis pretrei*, *P. angusti*, *P. anthophilus*, *Hypuroptila buffoni*, *H. caeruleogaster*. (15 spp.)

PART VIII, Oct. 1st, 1854.—*Diphogena* (sic) *iris*, *Selasphorus? heloisea*, *Cephalapis delalandi*, *C. loddigesi*, *Helianthea typica*, *H. bonapartei*, *Myiabeillia typica*, *Panoplitus jardini*, *P. matthewsi*, *P. flavescens*, *Celigena typica*, *C. purpurea*, *Eriocnemis lugens*, *Delatratia henrici*, *Phaethornis striigularis*. (15 spp.)

PART IX, May 1st, 1855.—*Helianthus clarissa*, *H. strophianus*, *H. amethysticollis*, *H. spencei*, *H. mavors*, *Patagonia gigas*, *Thaumatias brevisrostris*, *T. affinis*, *Cyanomyia quadricolor*, *Delatratia clemenciae*, *D. vividipallens*, *Leucippus chionogaster*, *Adelomyia melanogena*, *A. floriceps*, *Glaucis dohrni*. (15 spp.)

PART X, Sept. 1st, 1855.—*Lophornis ornatus*, *L. gouldi*, *L. magnificus*, *L. regulus*, *L. reginae*, *L. helene*, *Helianthea eos*, *H. violifera*, *Eriocnemis aurelia*, *Campylopterus delatratii*, *C. pampa*, *Gouldia latitia*, *Phaethornis philippi*, *Leucochloris albicollis*, *Adelomyia? castaneiventris*. (15 spp.)

PART XI, May 1st, 1856.—*Eugenia imperatrix*, *Heliaetia cornuta*, *Avocettula recurvirostris*, *Avocettinus eurypetris*, *Calypte anna*, *C. helena*, *C. costae*, *Rhodops vespera*, *Lampulaima rhami*, *Cyanomyia cyanocephala*, *Celigena wilsoni*, *Glaucis hirsuta*, *Thalurania watertoni*, *T. glaucopsis*, *Adelomyia inornata*. (15 spp.)

PART XII, Sept. 1st, 1856.—*Aglaeactis cupripennis*, *A. pamea*, *Thaumatias albiventris*, *T. linnei*, *Chrysolaupis moschitus*, *Calothorax fanny*, *Eugenes fulgens*, *Lesbia gouldi*, *Campy-*

1849-61. GOULD, J.—Continued.

*lopterus lazidus*, *C. cuvieri*, *Trochroa bougueri*, *Lampornis mango*, *Lencippus fallax*, *Calliphlox amethystina*, *Saucerottia cyanifrons*. (15 spp.)

PART XIII, May 1st, 1857.—*Thaumatista elizae*, *T. core*, *Lafresnaya flavicauda*, *L. gayi*, *Heliantea lutetia*, *Ionolaima schreibersi*, *Circus latirostris*, *Aglaeactis castelnaui*, *Orthorhynchus cristatus*, *O. exilis*, *Amazilia pristina*, *A. cerviniventris*, *A. corallirostris*, *Chlorostilbon auriceps*, *Thaluranina wagleri*. (15 spp.)

PART XIV, Sept. 1st, 1857.—*Calothorax cyanopogon*, *C. calliope*, *C. rosa*, *Trochilus alexandri*, *Eulampis jugularis*, *E. holosericeus*, *E. chlorolemus*, *Campylopterus curvipennis*, *Coccygus plumbeus*, *Eucophala carulea*, *E. grayi*, *Eupherusa eximia*, *Klais guineci*, *Phaethornis longuemarus*, *P. adolphii*. (15 spp.)

PART XV, May 1st, 1858.—*Eriocnemis derbianus*, *E. nigrivestis*, *E. isaacsoni*, *Trochilus colubris*, *Phaethornis obscura*, *P. viridicaudata*, *Lampornis gramineus*, *L. porphyreus*, *L. veraguensis*, *L. annulatus*, *L. prevosti*, *Cometes? glyceria*, *Heliopadica melanotis*, *Erythronota edwardi*, *E. niveiventris*. (15 spp.)

PART XVI, Sept. 1st, 1858.—*Phaethon rubinoides*, *Heliopadica jacula*, *Discusa longicauda*, *Phaethornis superciliosus*, *P. cephalus*, *Sternoclyta cyaneiceps*, *Thaluranina furcata*, *T. columbica*, *T. venusta*, *T. eriphile*, *T. verticeps*, *Microchera albocoronata*, *Chrysobronchus virescens*, *C. viridicaudus*, *Chrysuraonia elicie*. (15 spp.)

PART XVII, May 1st, 1859.—*Metallura cupreicauda*, *M. aeneicauda*, *M. tyrianthina*, *M. smaragdulincolis*, *M. williamsi*, *Eriocnemis vestitus*, *E. alinae*, *Heliobryx phainolara*, *H. purpuriceps*, *Campylopterus villaviciensis*, *Chrysuraonia enone*, *C. humboldti*, *C. josephinae*, *Sporadus elegans*, *Phaethornis amaura*. (15 spp.)

PART XVIII, Sept. 1st, 1859.—*Ionolaima frontalis*, *Boucardia comradi*, *Juliamyia typica*, *Dactylophila amabilis*, *Spathura melanantha*, *Oreotrochilus melanogaster*, *Thaumatias leucogaster*, *T. chionopectus*, *T. milleri*, *Amazilia Dumerilii*, *A. leucophaea*, *A. cyanura*, *Hylocharis lactea*, *Phaethornis oseryi*, *P. nigricinctus*, *P. episcopus*. (16 spp. on 15 pl.)

PART XIX, May 1st, 1860.—*Spathura cissiura*, *Calothorax pulchra*, *Heliotrypa parzudaki*, *Chlorostilbon caniveti*, *Phaethon aquatorialis*, *Sapphirina gondoti*, *S. caruleogularis*, *Campylopterus latipennis*, *C. obscurus*, *Chrysuraonia chrysur*, *Thaumatias candidus*, *Erythronota antiqua*, *Calliphlox mitchelli*, *Amazilia riefferi*, *A. devillei*. (15 spp.)

PART XX, Sept. 1st, 1860.—*Lophornis verreauxi*, *Lesbia encharis*, *L. nana*, *L. gracilis*, *Heliopadica leadbeateri*, *H. otero*, *Cyanomyia franciae*, *C. violiceps*, *C. cyanocollis*, *Chlorostilbon alicie*, *C. poortmanni*, *C. atala*, *Amazilia viridigaster*, *Circus doubledayi*, *Sporadus ricordi*. (15 spp.)

PART XXI, May 1st, 1861.—*Clytolaema? aureescens*, *Heliopadica xantusi*, *Thaluranina refulgens*, *T. nigrofasciata*, *T. tschudii*, *Oreopygia leucaspis*, *Calothorax evelynae*, *C. jourdani*, *Aphanothroa gularis*, *Eriocnemis squamata*, *E. godini*, *Pantherpe insignis*, *Lampornis viridis*, *Heliopadica jamesoni*, *Chlorostilbon angustipennis*. (15 spp.)

PART XXII, July 1st, 1861.—*Chlorostilbon phaethon*, *C. osberti*, *Phaeoptila sordida*, *Thaumatias viridiceps*, *Amazilia beryllina*, *A. ocai*, *Hyphantornis urucaryia*, *Cometes? caroli*, *Erythronota sophia*, *Eucophala caruleo-lavata*, *E. smaragdo-carulea*, *E. chlorocephala*, *E. hypocyanea*, *Grypus spixi*, *Glaucis melamora*. (15 spp.)

PART XXIII, Sept. 1st, 1861.—*Loddigesia mirabilis*, *Schistes personatus*, *Eriocnemis d'orbigny*, *Thaumatias nitidifrons*, *Amazilia alticola*, *A. yucatanensis*, *A. castaneiventris*, *Ramphocornis vulcani*, *Diphlogena aurora*, *Sceloporus floresii*, *Campylopterus roberti*, *Metallura primolius*, *Phaethornis fraterculus*, *P. zomura*, *Erythronota saucerottii*. (15 spp.)

PART XXIV, Sept. 1st, 1861.—*Lophornis dellattrei*, *Threnetes cervinicauda*, *Glaucis fraseri*, *G. affinis*, *G. mazarzeppa*, *G. lanceolata*, *Erythronota feliciae*, *E. ? elegans*, *Calothorax decoratus*, *Lampornis virginalis*, *Adelomyia maculata*, *Orthorhynchus ornatus*, *Smaragdochrysis iridescens*, *Sporadus mangieri*, *Phlogophilus hemileucurus*. (15 spp.)

PART XXV, Sept. 1st, 1861.—No plates.

(Above names copied as printed on covers, may not be literally the same as engraved on each plate.—To the 361 spp. figured in these parts, others are added in Part XXV, without plates; these are given in the systematic enumeration beyond.)

The systematic enumeration of the species, by plates, according to the make-up of the five volumes, is as follows (the asterisk indicates Gould's genera and species, whether here new or not; a page given instead of a plate signifies that the species is an unfigured one published in Part XXV, 1861):—

VOL. I, with the paged letter-press, &c., and pls. 1-41.—*Grypus navius*, pl. 1; *spixi*, 2; *Eutoxeres aquila*, 3; *condamini*, 4; *Glaucis hirsuta*, 5; *mazarzeppa*, 6; *affinis*, 7; *lanceolata*, 8; *melamora*, 9; *dohrni*, 10; *ruckeri*, 11; *fraseri*, 12; *Threnetes leucurus*, 13; *cervinicauda*, 14; *antoniae*, 15; *Phaethornis eurynome*, 16; *malaris*, 17; *consobrina* (p. xl); *fratercula*, 18; *longirostris*, 19; *symmatophora*, 20; *boliviana* (p. xl); *philippi*, 21; *hispidia*, 22; *oseryi*, 23; *anthophila*, 24; *boucardi*, 25; *grayi*, 26; *emilie* (p. xli); *yarnqui*, 27; *supercilliosa*, 28; *augusti*, 29; *squalida* [= *intermedius* on pl.]; 30; *Pygornis longuemari* [= *Phaethornis longuemarus* of pl.],

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31; amaura [= *Phaethornis* on pl.], 32; aspasia [= *Phaeth.* *viridicaudata* on pl.], 33; zomura [= *Phaethornis* on pl.], 34; adolphi [= *Phaeth.* on pl.], 35; griseogularis [= *Phaethornis* on pl.], 36; \*striigularis [= *Phaethornis* on pl.], 37; idalia [= *Phaethornis obscura* on pl.], 38; nigricincta [= *Phaeth.* on pl.], 39, f. 1; \*episcopus [= *Phaethornis* on pl.], 39, f. 2; rufiventris (p. xlv); \*eremita [= *Phaeth.* on pl.], 40; pygmaus [= *Phaethornis* on pl.], 41.

VOL. II, pl. 42-116.—*Eupetomena macrura* [E. *hirundinacea* on pl.], 42; *Sphenoproctus* [= *Campylopterus* α pl.] *pampa*, 43; *curvipennis* (p. xlv); *Campylopterus lazulus*, 44; *hemileucurus* [= *delattrei* on pl.], 45; *ensipennis*, 46; *splendens*, 47, up. fig.; *villavicencis*, 47, low. fig.; *latipennis*, 48; \**equatorialis* (p. xlvii); \**obscurus*, 49; *rufus*, 50; *hyperythrus*, 51; *Phaeochoerops* [= *Campylopterus* on pl.] *cuvieri*, 52; *roberti*, 53; \**Aphantochroa cirrhochloris*, 54; \**gularis*, 55; *Dolerisca* [= *Leucippus* on pl.] *fallax*, 56; *cervina* (p. xlviii); *Urochroa bougueri*, 57; \**Sternoclyta cyaneipectus*, 58; \**Eugenes fulgens*, 59; *Coeligena* [= *Delattria* on pl.] *clemencie*, 60; *Lamprolaima rhami*, 61; *Delattria henrici*, 62; *viridipallens*, 63; *Heliopeadia melanotis*, 64; *xantusi*, 65; *Topaza pella*, 66; *pyra*, 67; *Oreotrochilus chimborazo*, 68; *picinucha*, 69; *estelle*, 70; \**leucopleurus*, 71; \**melanogaster*, 72; *adela*, 73; *Lampornis mango*, 74; *viridescens* (p. liii); *prevosti*, 75; \**veraguensis*, 76; *gramineus*, 77; *viridis*, 78; *aurulentus*, 79; *virginalis*, 80; *porphyurus*, 81; *Eulampis jugularis*, 82; *holosericeus*, 83; *chloroleucus*, 84; \**longirostris* (p. lv); *Lafresnaya flavicaudata*, 85; *gayi*, 86; *saula* (p. lv); \**Doryfera johanna*, 87; *hudsonica*, 88; \**rectirostris* (p. lvi); *Chalybura* [= *Hypuroptila* on pl.], 89; \**urochrysis* [= *Hypuroptila* on pl.], 90; \**ceruleogastra* [= *Hypuroptila* on pl.], 91; \**isaura* (p. lvii); *Tolima frontalis*, 92; *schreibersi*, 93; \**Heliodoxa jacula*, 94; *jamesoni*, 95; *Leadbeatera otero*, 96; \**splendens* (p. lviii); *grata*, 97; *Aithurus* [= *Trochilus* on pl.] *polytmus*, 98; \**Thalurania glaucopis*, 99; *wateri*, 100; *furcata*, 101; \**furcoides* (p. lx); *forcata* (p. lx); \**refulgens*, 102; \**schulzii*, 103; \**nigrofasciata*, 104; \**venusta*, 105; *columbica*, 106; *verticeps*, 107; *fannia* (p. lx); *eriphyle*, 108; *wagleri*, 109; \**Panoplitus jardini*, 110; *flavescens*, 111; *matthewsi*, 112; *Florisuga mellivora*, 113; \**flabellifera*, 114; \**atra*, 115; \**Microchera albocoronata*, 116.

VOL. III, pl. 117-203.—*Lophornis ornatus*, 117; *gouldi*, 118; *magnificus*, 119; \**regulus*, 120; \**lophotes* (p. lxiii); *delattrei*, 121; \**regina*, 122; *helena*, 123; *Polemistria* [= *Lophornis* on pl.] *chalybea*, 124; *verreauxi* [= *Lophornis* on pl.], 126; *Discura longicauda*, 126; *Prymacantha* [= *Gouldia* on pl.] *popelairi*, 127; *Gouldia langesdortii*, 128; *conversi*, 129; *letitia*, 130; *Trochilus colubris*, 131; *alexandri*, 132; *Mellisuga minima*, 133; \**Calypte costae*, 134; *anna*, 135; *helena*, 136; *Sceloporus rufus*, 137; *scintilla*, 138; *floresii*, 139; *platycercus*, 140; *Atthis heloisa*, 141; \**Stellula* [*Calothorax* on pl.] *calliope*, 142; *Calothorax cyanopogon*, 143; *pulcher*, 144; \**Acestrura* [= *Calothorax* on pl.] *niksanti*, 145; \**decorata* [= *Calothorax* on pl.], 146; *heliadori* [= *Calothorax* on pl.], 147; *niernura* [= *Calothorax* on pl.], 148; \**Chactocercus* [= *Calothorax* on pl.] *rosea*, 149; *jourdaini* [= *Calothorax* on pl.], 150; *Myiis* [= *Calothorax* on pl.] *fannia*, 151; *yarelli* [= *Calothorax* on pl.], 152; *Thaumastura cora*, 153; *Rhodops vespera*, 154; *Doricha elize*, 155; *evelyna*, 156; *enicura*, 157; \**Tryphaena dupontii*, 158; *Calliphox amethystina*, 159; *amethystoides* (p. lxx); *mitchelli*, 160; *Loddigesia mirabilis*, 161; *Spathura underwoodi*, 162; *melanoptera*, 163; \**peruana*, 164; *rufocaligata*, 165; *cissura*, 166; *Lesbia goduli*, 167; \**gracilis*, 168; *nana*, 169; *amaryllis*, 170; *eucharis*, 171; *Cynanthus cyaneus*, 172; *caelestis* (p. lxxii); *mocoa* [= \**smaragdineaudis* on pl.], 173; *Cometes sparganium*, 174; \**phaon*, 175; *glyceria*, 176; *caroli*, 177; \**Pterophanes temminckii*, 178; \**Aglaeetus cupripennis*, 179; *aquatortialis* (p. lxxiv); *parvula* (p. lxxiv); *caumatomotus* (p. lxxiv); *castelnaudi*, 180; *pamele*, 181; \**Oxygogon guerinii*, 182; *hindenii*, 183; *Ramphomicon heteropogon*, 184; *stanleyi*, 185; \**vulcani*, 186; *herrani*, 187; *ruficeps*, 188; *microhynchum*, 189; \**Urosticte benjamini*, 190; \**Metalura eupreicauda*, 191; *aceicanda*, 192; *williami*, 193; *primolii*, 194; *tyrianthina*, 195; \**quitensis* (p. lxxvii); *smaragdinecollis*, 196; *Adelomyia inornata*, 197; *melanogenys*, 198; \**maculata*, 199; *Avocettinus eurypterus*, 200; *Avocettula recurvirostris*, 201; *Anthocephalus* [= *Adelomyia* on pl.] *floriceps*, 202; *castaneiventris* [= *Adelomyia* on pl.], 203.

VOL. IV, pl. 204-283.—*Chrysolampis moschitus*, 204; *Orthorhynchus cristatus*, 205; \**ornatus*, 206; *exilis*, 207; *Cephalepis delalandi*, 208; \**Loddigesii*, 209; *Klais guineei*, 210; *Myiabeillia typica*, 211; *Heliaethon cornuta*, 212; *Heliothrix aurita*, 213; *auriculata*, 214; *phainolema*, 215; *barroeti* [= *purpureiceps* on pl.], 216; *violifrons* [= *barroeti* on pl.], 217; *Schistes geoffroyi*, 218; \**personata*, 219; *albicularis*, 220; *Angelus scutatus*, 221; *hamachellus*, 222; *Petrophora serrirostris*, 223; *anais*, 224; *iolata*, 225; *cornucans*, 226; *thalassina*, 227; *cyanotis*, 228; *adelphinae*, 229; *Polytmus* [= *Chrysobronchus* on pl.] *virescens*, 230; *viridissimus* [= *Chrysobronchus viridicaudus* on pl.], 231; *Patagona gigas*, 232; \**Docimastes ensiferus*, 233; *Eugenia imperatrix*, 234; \**Helanthea typica*, 235; *bonapartei*, 236; *ecos*, 237; *lutetia*, 238; *violifera*, 239; \**Heliotrypha parzudaki*, 240; \**viola*, 241; *Helianthus clarissa*, 242; *strophianus*, 243; *spencei*, 244; *amethysticollis*, 245; \**mayors*, 246; *Diphlogenia iris*, 247; \**aurora*, 248; *Clytolama rubina*, 249; \**aurescens*, 250; *Bonreiera torquata*, 251; *fulgidigula*, 252; *insectivora* (p. xc); *conradi*, 253; \**inea*, 254; *Lampropterygia coeligena* [*Coeligena typica* on pl.], 255; \**boliviana* (p. xc); *purpurea* [*Coeligena* on pl.], 256; *primellei* [*Coeligena* on pl.], 257; *wilsoni*, 258; *Helioaster longirostris*, 259; *stuarie* (p. xcii); *schateri* (p. xcii); \**pallidiceps* (p. xcii);

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VOL. V, pll. 284-360.—Cyanomyia quadricolor, 284; \*violiceps, 285; cyanocephala, 286; \*guatemalensis (p. xcvi); francie, 287; \*cyanicollis, 288; \*Hemistilbon \*ocai, 289; norrisi (p. xcvi); Leucippus chionogaster, 290; Leucochloris albicollis, 291; Thaumattias candidus, 292; \*chionopectus, 293; leucogaster, 294; \*viridiceps, 295; milleri, 296; nitidifrons, 297; \*caeruleiceps (p. xcvi); brevirostris, 298; \*affinis, 299; \*chionurus, 300; albiventris, 301; hmaei, 302; \*fluviatilis (p. xcix); \*apicalis (p. xcix); \*maculicandus (p. xcix); Amazilia pristina, 303; \*alticola, 304; dumerili, 305; leucophaea, 306; Pyrrhophana cinnamomea [= Amazilia corallirostris on pl.], 307; yucatanensis [= Amazilia on pl.], 308; \*cerviniventris [= Amazilia on pl.], 309; \*castaneiventris [= Amazilia on pl.], 310; riefferi [= Amazilia on pl.], 311; beryllina [= Amazilia on pl.], 312; devillei [= Amazilia on pl.], 313; viridigaster [= Amazilia on pl.], 314; iodura (p. ci); \*cyanura [= Amazilia on pl.], 315; Erythroneura antiqua, 316; feliceae, 317; edwardi, 318; nigriventris, 319; \*elegans, 320; Saucerottia typica [Erythroneura saucerottii on pl.], 321; sophie [= Erythroneura on pl.], 322; warszewicz (p. cii); Hemithylaea [= Saucerottia on pl.] cyanifrons, 323; \*Eupherusa eximia, 324; Chrysosoma enone, 325; josephinae, 326; neera (p. civ); \*caeruleicapilla (p. civ); humboldti, 327; eliciae, 328; chrysurus, 329; Euphela grayi, 330; \*smaragdo-caerulea, 331; chlorocephala, 332; caeruleo-lavata, 333; \*scapulata (p. cv); \*hypocyanea, 334; caerulea, 335; cyanogenys (p. cv); Panterpe insignis, 336; Juliamia typica, 337; feliceana (p. cvi); \*Circe latirostris, 338; doubledayi, 339; \*Phaoptila \*sordida, 340; \*zomura (p. cvii); Danophila \*amabilis, 341; Hylocharis sapphirina, 342; lactea, 343; cyanea, 344; Sapphirionia gondoti, 345; \*caeruleigularis, 346; Sporadimus elegans, 347; ricordi, 348; mangai, 349; Chlorolampis [Chlorostilbon on pl.] \*auriceps, 350; caniveti [Chlorostilbon on pl.], 351; osberti [Chlorostilbon on pl.], 352; salvini (p. cix); \*Chlorostilbon angustipennis, 353; haerberlini (p. cx); phaeothron, 354; aureiventris (p. cx); prasinus, 355; \*igneus (p. cxi); atala, 356; daphne (p. cxi); \*peruanus (p. cxi); \*napensis (p. cxi); \*brevicaudatus (p. cxi); chrysogaster (p. cxi); assimilis (p. cxii); nitens (p. cxii); Panychlora [Chlorostilbon on pl.] aliceae, 357; eulochis (p. cxii); stenura (p. cxiii); poortmani [Chlorostilbon on pl.], 358; \*Smaragdochrysis \*iridescens, 359; \*Phlogophilus \*hemileucurus, 360.

(Note.—The above list being drawn up by turning the pages of the Introduction, the asterisk may be misplaced in some instances, if the author has omitted to place his name after his own genera and species, or has placed it after any names for which he is the authority only in as far as the combination of the generic with the specific term is concerned. I have preferred to take this list rather than that of the plates alone, as this represents the final views of the author, and gives many species not figured; the species here catalogued being 416 in number, while the plates number 360. In many cases the generic, and sometimes the specific, names are here different from those printed in the body of the work and engraved on the plates: but all these discrepancies I have taken due note of in the brackets.)

1849. [JARDINE, W.] Oreotrochilus jamesonii [n. sp.], Jardine. October, 1849. < *Jard. Contrib. Orn.*, 1849, p. 67, pl. xliii.

See also note, *Contrib.* for 1850, p. 27.

1849. PARZUDAKI, [E.] Description et figure d'une [réemment] nouvelle espèce d'Oiseau-Mouche de la République de Venezuela. < *Rev. et Mag. de Zool.*, i, 1849, pp. 273, 274, pl. 8.

*Ornysmia* (sic) *lindenii*, Parz., *R. Z.*, 1845, p. 253.

1849. SALLÉ, A. [Description d'une nouvelle espèce d'Oiseau-Mouche (*Ornysmia* (sic) *catharinae*).] < *Rev. et Mag. de Zool.*, i, 1849, p. 498.

1850. BONAPARTE, C. L. Note sur les Trochilidés. < *Compt. Rend. de l'Acad. Sci. Paris*, xxx, 1850, pp. 379-383.

*Lafresnaya*, *Delattria*, *Bourciera*, *Saucerottia*, *Loddigiornis*, *Gouldie*, sont des genres nouveaux ou récemment décrits (1849).

1850. BONAPARTE, C. L. Note sur les Trochilidés. < *Rev. et Mag. de Zool.*, ii, 1850, pp. 243-245.

Extrait des *Comptes Rendus de l'Acad. des Sc. de Paris*, séance du 1<sup>er</sup> avril 1850, q. v.

1850. GOULD, J. On six new species of Humming Birds. < *P. Z. S.*, xviii, 1850, pp. 162-164.

*Trochilus scintilla*, *T. chionura*, p. 162; *T. venusta*, *T. caeruleogularis*, *T. castaneiventris*, p. 163; *T. niveoenter*, p. 164.

1850. [JARDINE, W.] *Trochilus allardi*, Bourc. < *Jard. Contrib. Orn.*, 1850, p. 51, and p. 151, pl. lv.
1850. [JARDINE, W.] Ornithology of Quito. < *Jard. Contrib. Orn.*, 1850, pp. 1-3.  
The piece consists of notices of 8 spp. of *Trochilidæ*.
1851. ANON. Ueber die Verbreitung der Colibris. < *Fror. Tugsb.*, no. 339 (Zool. Bd., ii), 1851, p. 120.  
Not seen—title from Carus and Engelmann.
1851. BOURCIER, J. Note sur onze espèces nouvelles de Trochilidées. < *Compt Rend. de l'Acad. Sci.*, xxxii, 1851, pp. 186-188.  
*Trochilus bougueri*, *T. godini*, p. 186; *T. condamini*, *yaruqui*, *pichincha*, *stanleyi*, *benjamini*, *jardini*, *villaviscensis*, *jamesoni*, *duchassaini*, p. 187, recueillies par lui en 1849 et '50 dans la République de l'Équateur.—Note sur ce sujet par M. Isid. Geoffroy St.-Hilaire, p. 188.
1851. BOURCIER, J. Note sur onze espèces nouvelles de Trochilidées. < *Rev. et Mag. de Zool.*, iii, Feb., 1851, pp. 96-98.  
Extraite des *Comptes Rendus de l'Acad. des Sc. de Paris*—séance du 10 février, 1851, q. v.
1851. BOURCIER, J., and Mulsant, E. Description d'une nouvelle espèce d'Oiseau-Mouche [*Trochilus stanleyi*]. < *Ann. Sc. Phy. Soc. d'Agric. de Lyon*, nouv. sér., iii, 1851, pp. 199-203. (Aussi séparément, 8vo, pp. 5.)  
Not seen—title from Carus and Engelmann.
1851. GEOFFROY SAINT-HILAIRE, ISID. [Note sur les onze espèces nouvelles de Trochilidées de M. Bourcier.] < *Compt. Rend. de l'Acad. Sci.*, xxxii, 1851, p. 188.
1851. GOULD, J. On some new species of Trochilidæ. < *P. Z. S.*, xix, 1851, pp. 115, 116.  
*Trochilus* (—?) *amabilis*, *Phaethornis griseogularis*, p. 115.
1851. GOULD, J. On six new species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., viii, 1851, pp. 341-343.  
From *P. Z. S.*, June 25, 1850, pp. 162-164, q. v.
1851. GOULD, J. Description of Three New Species of Humming-Birds. < *Jard. Contrib. Orn.*, 1851, pp. 139, 140.  
*Phaethornis syrnatophora*, p. 139; *Schistes albogularis*, *Eriopus lugens*, p. 140.
1851. [JARDINE, W.] *Trochilus* (Thalurania) *verticeps*, Gould. [n. sp.] < *Jard. Contrib. Orn.*, 1851, p. 79, pl. lxxi.
1851. [JARDINE, W.] *Trochilus* (Spathura) *melananthera*, Jardine. < *Jard. Contrib. Orn.*, 1851, pp. 111, 112, pl. lxxx.
1851. JERRARD, P., and BAILEY, F. W. N. The Humming Bird Keepsake. A Book of Bird Beauty. The Birds painted among Nests and Flowers by Paul Jerrard. The Poetry by F. W. N. Bailey, written expressly for this work. London: P. Jerrard. 1851. 4to.  
Not seen—title from Carus and Engelmann.
1852. BOURCIER, J., and Mulsant, E. Description d'une nouvelle espèce d'Oiseau-Mouche. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, nouv. sér., iv, 1852, pp. 139-144.  
Not seen—title from Carus and Engelmann.
1852. DEVILLE, E. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Mouches, suivies de quelque notes anatomiques et de mœurs sur l'Hoazin, le Caurale et la Savacon. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 208-226, pl. 9.  
Sur les mœurs de dix espèces du genre *Ornismyia*; sur l'*Opisthocomus cristatus* (pl. 9), l'*Eurypyga helias* et la *Cancreroma cochlearia*.
1852. GOULD, J. Descriptions of Three New Species of Humming Birds. < *Jard. Contrib. Orn.*, 1852, pp. 135-137.  
*Ramphomicron vulcani*, p. 135, Bolivia; *Bourcieria inca*, p. 136, Bolivia; *Trochilus* (—?) *auriceps*, p. 137, Mexico.
1852. GOULD, J. On the genus Thalurania. < *P. Z. S.*, xx, 1852, pp. 8, 9.  
List of 11 spp., with their habitats; *T. refulgens*, p. 9, sp. n.

1852. MARTIN, W. C. L. A | General History | of | Humming-Birds, | or the | Trochilidae: | with especial reference to the | collection of J. Gould, F. R. S., &c. | now exhibiting in the | Gardens of the Zoological Society of London. | By | W. C. L. Martin. | late one of the Scientific Officers of the Zoological | Society of London. | — | London: | H. G. Bohn, York Street, Covent Garden. | 1852. 1 vol. sm. 16mo, pp. i-vii, 1 l., pp. 1-232, frontisp. and pl. col'd. 1-3, 3\*, 4-14.

I also find this work cited as "12mo, 1853"; but this may not indicate a different edition. The work seems to have been designed as a sort of continuation of, or supplement to, the Humming-birds of Jardine's *Naturalist's Library*; and it was in fact afterward made one of the vols. of that notable collection. I have handled the vol. both as a separate work and as one of the *Nat. Libr.*; the title and collation are identical, excepting that the date is carefully erased in the *Nat. Libr.* binding. When found in this connection there is absolutely nothing to show what vol. of the series it is intended for.—Omitting the unnumbered vol. called "General History of Man," it would make Vol. XLI of the *Nat. Libr.*; counting the *Gen. Hist. of Man* as one, it would be Vol. XLII; there being 40 vols. of the series without either of these two.—But the copy examined is stamped on the back "Hummingbirds, Vol. III"; going by this token, the work makes Vol. VII *bis* of the Bird Series, the two regular Humming-bird volumes being respectively Vols. VI and VII.

It is a modest treatise of much merit, as the author's name would lead us to anticipate. The arrangement of the genera is according to Bonaparte. Some 175 spp. altogether are treated, and, on the 15 (not 14) colored plates and the frontispiece are figured the following:

Frontisp., *Docimastes ensiferus*. Pl. 1, *Petasophora isolata*; 2, *Heliothrix auritus*; 3, *Campylopterus obscurus*; 3\*, *Topaza pyra*; 4, *Boucardia torquata*; 5, *Aglaeactis cupreicinnis*; 6, *Helianthea eos*; 7, *Chrysaronia genove*; 8, *Heliangelus macors*; 9, *Oreotrochilus chiaborczoi*; 10, *Ramphomicron heteropogon*; 11, *Oxygogon lindeni*; 12, *Spathura underwoodii*; 13, *Eriopus cupreicentris*; 14, *Gouldia conversi*.

1853. BOURCIER, J. Nouvelle espèce du genre *Metallura* [primolinus], Gould. < *Rev. et Mag. de Zool.*, v, 1853, pp. 295, 296.

1853. GOULD, J. Descriptions of Five New Species of Humming Birds. < *P. Z. S.*, xxi, 1853, pp. 61, 62.

*Helianthea iris*, *H. aurora*, *Heliangelus viola*, *Trochilus* (—?) *cyanocollis*, p. 61; *T.* (—?) *forficeps*, p. 62.

1853. GOULD, J. Observations on the Nests of Humming Birds [Trochilidae]. < *P. Z. S.*, xxi, 1853, p. 100.

1853. GOULD, J. Descriptions of Two New Species of Humming Birds from Peru. < *P. Z. S.*, xxi, 1853, p. 109.

*Spathura cissura*, *Calothorax micrurus*.

1853. GOULD, J. On some new species of Trochilidae. < *Ann. Mag. Nat. Hist.*, 2d ser., xi, 1853, pp. 466, 467.

From *P. Z. S.*, Mar. 25, 1851, pp. 115, 116, q. r.

1853. MÜNSTER, W. Abwesenheit der Furcula am Skelet eines Trochilus. < *Zeitschr. gesamm. Naturwiss.*, i, 1853, p. 18.

Not seen—title from Giebel.

1853. VERREAUX, J., and VERREAUX, E. Note du genre *Lophornis* Ch. Bp.—*Lophornis Verreauxii* Bourc. < *Rev. et Mag. de Zool.*, v, 1853, p. 193, pl. 6.

1854. BONAPARTE, C. L. Talleau [sic] des Oiseaux-Mouches. < *Rev. et Mag. de Zool.*, vi, Mai, 1854, pp. 248-257. (Aussi séparément, Paris, Raçon, 1854; 8vo, pp. 12.)

Conspectus Trochilorum: 80 genres, 322 espèces: "le squelette de mes études sur les Oiseaux-Mouches." Les noms seulement, sans descriptions.

The year 1854 was a sad one for the Hummers. Two deadly assaults were made upon the literature of the family, by Bonaparte in France, and by Reichenbach in Germany; with the result of making confusion worse confounded in the generic nomenclature. Both these authors opened the flood-gates, and fairly inundated the subject with numberless new names, few of which were needed, none of which were characterized with regard for proprieties, and some of which duplicated each other. What with these authors' extravagancies, and the still further loosening of the reins of judicious moderation in the hands of Mulsant in 1866 and subsequently, the Hummers were probably as badly abused as any family of birds whatever. They have been fairly overwhelmed with a mass of synonymy. There are to-day scarcely fewer genera of Hummers than species; and, if we count the different application



## 1854. BONAPARTE, C. L.—Continued.

of the same name by different authors and the varying orthography of names, there are actually more generic names than there are species in this family!

I regard Bonaparte's services to the science of Ornithology to have ceased in 1850. The sum total of his after contributions to the subject, to the time when death cut short his schemes, is not only a worthless but a pernicious aggregate. In his latter years, Bonaparte simply played chess with birds, with himself for king; *le roi s'amuse!* Scheme followed scheme, tableau tableau, conspectus conspectus, with perpetual changes, incessant coining of new names, often in mere sport—it was nothing but turning a kaleidoscope. It may have been fun for him, but it was death to the subject. Besides his pedantries and his pleasantries, he had two very bad habits, neither of them any better than a trick, by which he juggled other authors out of the way to make room for himself. Under a thin pretence of making due grace to his peers, he would take their names, invest them with a new significance, and place "Bp." after such names in their new association; and then bestow a new name upon the genus thus deprived of its rightful designation—killing two birds with one stone. Again, he usually took a specific name for a generic one, and to the species thus left nameless he would give a new name—scoring two for himself again. When, as sometimes happened, these two tricks fell together, he was enabled to write "Bp." four times where it should not once have appeared. Add to all this that he was utterly regardless of orthography—often wrote the same name in different ways—quoted others' names so carelessly as to make them look like new names—renamed the same thing often in mere forgetfulness—made genera in joke, for a chance for a pun, or to compliment a friend—and let the most slovenly printing pass—with all this, I say, we have a state of things that is a disgrace to himself, a scandal to science, and only to be adequately characterized by the word abominable.

The present article may stand in illustration of the justness of my censure. It is one of four in which within as few years Bonaparte disarranged the Hummers. There is his article in the *Consp. Ar.* 1849; one in the *Compt. Rend.* 1850; one in the *Ann. Sc. Nat.* 1854; and the present. He calls it only "the skeleton" of his studies; we may wonder what it would be if filled out. It is a mere list of the names of 80 genera and 322 species. It is impossible for any one who has not made a special study of the Hummers to tell which are here new names and which are not. Many are here used for the first time, and many others, both of his own and of others', are used in such novel application, or are so differently spelled, that they become *de jure* new names. I give the following list, being those that have "Bp." after them:—

*Myiætina*, *Doleromyia*, *Leucippus*, *Orthornis*, *Gygornis*, p. 249. *Pygornis*, p. 250. *Leadbeatera*, *Heliomastes*, *Ornithomyia*, *Bourcieria*, p. 251. *Cœligena*, *Lafresnaya*, *Chrysobolchus*, *Heliotryppha* (sic; Gould), *Eriocnemys* (sic; Reichenb.), p. 252. *Ramphomicon*, *Myiæbellia*, *Adelomyia*, *Florisuga*, *Delattria*, p. 253. *Cyanomyia*, *Amazilius*, *Chrysuronis*, p. 254. *Saucerottia*, *Sporadinus*, *Thaumantias*, *Juliamyia*, p. 255. *Sapphironia*, *Aracetinus*, *Cephalæpis* (sic; Lodd.), *Loddigiornis*, *Discura*, p. 256. *Thaumastura*, *Lophorinus*, *Gouldia*, *Gouldomyia*, p. 257.

It is directly pertinent to the subject of Bonaparte's abuse of names in this family to refer to his other schemes, which are not formally citable in this part of my Bibliography.

In the *Ann. Sc. Nat.*, 4th ser., i. 1854, Bonaparte has inserted one of his perpetual conspectus, embracing *Trochilidæ*. Here he is not only at the tricks I have exposed, but commits an ultra-Napoleonic piece of fatuity; namely, citing a number of names as if Reichenbach's, which the latter never published (see Elliot, *Class. and Syn. Troch.*, 1879, p. 188). Consequently the reproach of them falls upon Bonaparte. Such are *Aline*, *Mosquera*, *Lucania*, *Derbomyia*, etc.

Bonaparte was seldom thoughtful enough of the convenience of others to indicate whether a "Bp." name was newly proposed or not; and it is consequently not easy for any one to decide upon the original reference to be given in such cases. Thus, in his "Note sur les Trochilidés," in *Comp. Rend.* (*vide supra*, 1850), he has a number of names; and I notice that Mr. Elliot quotes this place and date as the original reference to them. Most if not all of them, however, occur in his *Consp. Ar.* of date 1849.

As the latter is a general work which does not come in this portion of my Bibliography I will here give a list of the Bp. genera in it—being those which Gray correctly attributes to "Bp. 1849" in his *Handlist*:—

*Phaëtornis* (= *Phaethornis*, Sw.), p. 67; *Lafresnaya*, *Doryfera* (= *Dorifera*, Gld.), p. 68; *Colibri*, *Heliotrix* (= *Heliothryx*, Boie), p. 69; *Delattria*, *Leadbeatera*, *Heliomaster*, p. 70; *Cœligena* (ex. Less.), *Leucippus*, *Bourcieria*, *Florisuga*, p. 73; *Aracetinus*, *Chrysuronis*, p. 75; *Saucerottia*, *Amazilius*, p. 77; *Thaumantias*, p. 78; *Ramphomicon*, p. 79; *Sephanoides* (ex. Less.), p. 82; *Cephalæpis* (ex. Lodd.), p. 83; *Discosura*, p. 84; *Thaumastura*, p. 85; *Gouldia*, p. 86.

1854. BOURCIER, J. Nouvelle espèce du genre *Hylocharis* [chlorocephalus]. Boie.  
 < *Rev. et Mag. de Zool.*, vi, 1854, pp. 457, 458.

1854. GOULD, J. Description of a New Species of Humming Bird, from Quijos [Threptes cervinicauda]. < *P. Z. S.*, 1854, xxii, p. 109.
1854. GOULD, J. On the Genus Thularania. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, 1854, pp. 228, 229.  
From *P. Z. S.*, Jan. 13, 1852, pp. 8, 9, q. v.
1854. GOULD, J. On a New Species of Cometes [mossia]; a Genus of Humming-Birds. < *Rep. Brit. Assoc. Adv. Sci. for 1853*, xxiii, 1854 (*Misc. Comm.*), p. 68.  
Not described here. (See *Athen.*, 24th Sept., 1853.)
1854. REICHENBACH, L. Aufzählung der Colibris oder Trochilideen in ihrer wahren natürlichen Verwandtschaft, nebst Schlüssel ihrer Synonymik. < *J. f. O.*, 1853, *Extra.*, März, 1854, besondere Beilage, pp. 1-24.  
General remarks: Tabular view of Genera under 16 subfamilies of 4 groups; Criticism of generic names: List of Species: Synonymatic key to the same: New Species, as follows:—*Caeligena warszewitzi*, *C. sagitta*, *Chlorestes maculicollis*, *C. euchloris*, p. 23; *Lesbia gorgo*, *Steganura spatuligera*, *S. remigera*, *Amazilia leucophoea*, p. 24.  
I regret to perceive that either Mr. Elliot or myself is mistaken respecting the date of this paper, the former having uniformly cited the many new genera of Reichenbach's as of 1853. Gray gives them correctly, as of 1854. The paper is a special supplement to the extra number of the *J. f. O.* for 1853; but the *Extraheft* dates 1854. Moreover, Cabanis, the editor, who surely should know, gives the exact date as March, 1854. The article was presented to the seventh annual meeting of the German Ornithological Society, held at Halberstadt, July 11-14, 1853.  
It is curious that Reichenbach and Bonaparte twice crossed each other's paths in their coining of many new names for the Hummers. The portions of the *Ar. Syst. Nat.* of the former, and of the *Consp. Ar.* of the latter, which contain the *Trochilidee*, both date 1849. Again, in 1854, both brought forward numberless new names. In the former case I do not know with which author lies actual priority; in the latter, Reichenbach takes precedence, Bonaparte's article having appeared in May, 1854.  
If the reader will refer to my remarks upon Bonaparte's article of 1854, he will be prepared for no very favorable judgment of mine respecting the present paper of Reichenbach's. Of the immense number of new generic names which the German author here inflicts upon the *Trochilidee* it cannot be that many are either necessary or desirable: many are mere synonyms, and none whatever are characterized. Not a few, however, take precedence over those of Bonaparte. I give the following list of the names which are Reichenbach's—most of which are here new, though some were proposed by him in 1849—there being no distinction made between them.  
*Arcoetuba*, p. 6; *Damophila*, *Chlorestes*, *Smaragditis*, p. 7; *Rivcordia*, *Discura*, *Steganura*, *Tilmatura*, p. 8; *Chrysolampis*, *Sappho*, *Eriocnemis*, *Enguete*, *Threptia*, *Pheomonö*, *Hemistephania*, *Phaiolaina*, *Ionolaina*, *Lamprolaina*, p. 9; *Agyrtia*, *Uranomitra*, *Leucochloris*, *Chalybura*, *Cyanophaia*, *Eucephala*, *Cyanochloris*, p. 10; *Margarochrysis*, *Boissonneaua*, *Platy-stelopterus*, *Floresia*, *Sericotes*, *Pampa*, *Saepiopterus*, *Prognornis*, p. 11; *Mulsantia*, *Bellatrix*, *Helictinia*, *Populairia*, *Rhamphovieron* (ex. Bp.), *Parzudakia*, *Lamprurus*, *Anactoria*, *Diotima*, *Atthis*, *Doricha*, *Rhodopsis*, *Calliperidia*, p. 12; *Myrtis*, *Archilochus*, *Lipidolarynx*, *Klatis*, *Baucis*, *Telesiella*, *Praxilla*, *Petasophora*, p. 12; *Eustephanus*, *Eremita*, *Ptyonornis*, *Ametornis*, *Thaumaste*, p. 14; *Eutoxeres*, p. 15.
1855. AXON. [Review of parts vii, viii of Gould's *Trochilidae*.] < *Nat. Hist. Rev.*, ii, 1855, pp. 3-8.
1855. GOULD, J. On two New Species of Humming Birds. < *P. Z. S.*, xxiii, 1855, pp. 86, 87.  
*Heliothrix purpureiceps*, p. 87. Popayan; *H. phainolæma*, p. 87, Rio Napo.
1855. GOULD, J. On a new Genus and Species of Trochilidae [Eugenia imperatrix] from Ecuador. < *P. Z. S.*, xxiii, 1855, p. 192.
1855. GOULD, J. Descriptions of Five New Species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 146, 147.  
From *P. Z. S.*, Apr. 12, 1853, pp. 61, 62, q. v.
1855. GOULD, J. Observations on the Nests of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 157, 158.  
From *P. Z. S.*, July 26, 1853, p. 100.
1855. GOULD, J. Description of a New Species of Humming Bird, from Quijos. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 278, 279.  
From *P. Z. S.*, May 9, 1854, p. 109.

1855. GOULD, J. Descriptions of two new Species of Humming Birds, from Peru.  
 < *Ann. Mag. Nat. Hist.*, 2d ser., vx, 1855, pp. 318, 319.  
 From *P. Z. S.*, Nov. 22, 1853, p. 109.
1855. LAWRENCE, G. N. Description of a New Species of the Humming Bird of the Genus *Mellisuga* Brisson [*M. albo-coronata*], with a note on *Trochilus aquila* Bonreier. < *Ann. Lyc. Nat. Hist. New York*, vi, 1855, pp. 137-142, pl. iv.
1855. REICHENBACH, L. *Trochilinarum Enumeratio ex affinitate naturali reciproca prima ducta provisoria*. Leipzig. J. Hofmeister. 1855. 8vo.  
 Not seen.
1856. ADAMS, H. G. Humming Birds described and illustrated; with an introductory sketch of their structure, plumage, habits, haunts, etc. By H. G. Adams. With 8 coloured plates. London: Groombridge. 1856. 1 vol. 8vo. pp. 104, pll. 8.  
 Not seen: title from Carus and Engelmann, *Bibl.* (*Young Naturalist's Library*.)
1856. BOURCIER, J. Description d'une espèce nouvellement connue d'Oiseau-mouche du genre *Pygornis* [amaura] (*Conspectus Trochilorum*, prince Ch. Bonaparte), famille des Trochilidés, sousfam. 175 Phaethorninés. < *Rev. et Mag. de Zool.*, viii, 1856, pp. 552, 553.
1856. BOURCIER, J., and MULSANT, E. [*Trochilus idalie*, *T. aspasiae*, spp. nm.] < *Ann. Soc. Linn. de Lyon*, n. s., iii, 1856, pp. 187-189.  
 Pas vu moi-même—le titre est tiré de la *Bibl.* de Carus et Engelmann.
1856. GOULD, J. On two New Species of Humming Birds belonging to the genus *Amazilia*. < *P. Z. S.*, xxiv, 1856, pp. 150, 151.  
*A. cerviniventris*, p. 150, Cordova; *A. castaneiventris*, p. 150, Bogotá.
1856. GOULD, J. On a new genus and species of Trochilidæ [*Eugenia imperatrix*] from Ecuador. < *Ann. Mag. Nat. Hist.*, 2d ser., 1856, pp. 270, 271.  
 From *P. Z. S.*, Nov. 13, 1855, p. 192.
1856. GOULD, J. On two new Species of Humming Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 518, 519.  
 From *P. Z. S.*, June 12, 1855, pp. 86, 87, q. v.
1857. ANON. The Canadian Humming Bird [*Trochilus colubris*]. < *Canad. Journ.*, ii, 1857, pp. 382, 383.  
 Note of Gould's carrying them toward England.
1857. GOULD, J. Descriptions of Three New Species of the Genus *Phaethornis*, Family Trochilidæ. < *P. Z. S.*, xxv, 1857, pp. 14, 15.  
*Phaethornis viridicaudata*, *P. episcopus*, *P. obscura*, p. 14.
1857. GOULD, J. On two New Species of Humming Birds belonging to the genus *Amazilia*. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 352.  
 From *P. Z. S.*, June 10, 1856, pp. 150, 151, q. v.
1857. GOULD, J. Descriptions of Three New Species of the Genus *Phaethornis*. Family Trochilidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 493, 494.  
 From *P. Z. S.*, Jan. 27, 1857, pp. 14, 15, q. v.
1858. LAWRENCE, G. N. Descriptions of Seven New Species of Humming Birds. < *Ann. Lyc. Nat. Hist. New York*, vi, 1858, pp. 258-264.  
*Phaethornis moorei*, p. 258; *Ph. villosus*, p. 259; *Ph. atrimentalis*, *Ph. nigricinctus*, p. 260; *Glaucois affinis*, p. 261; *Campylopterus splendens*, p. 262; *Ionolaima frontalis*, p. 263.
1858. S[IMPSON], W. Humming Bird of the U. States. < *Am. Journ. Sci.*, xxv, 1858, pp. 294, 295.  
*T. colubris*.—From *Ann. Mag. N. H.*, 2d ser., xx, p. 520.
1859. BOURCIER, J., and MULSANT, E. [*Lophornis verreauxi*]. < *Ann. Sc. Phys. Soc. d'Agric. de Lyon*, iii, 1859, p. 364.  
 Not seen—title from Giebel. (Some mistake here?)
1859. GOULD, J. Descriptions of four new Species of Humming-birds from Mexico. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, pp. 96-98.  
*Amazilia ocai*, p. 96, Xalapa; *Calothorax pulchra*, *Cyanomyia violiceps*, *C. t sordida*, p. 97 Oaxaca.

1859. H[INCKS], W. A monograph of the Trochilidae, or Humming Birds. < *Canad. Journ.*, iv, 1858, pp. 47-50.  
Review of portions of Gould's work.
1859. JAMESON, W., and FRASER, L. Notes on some of the Humming-birds of Ecuador figured in Mr. Gould's Monograph. < *Ibis*, i, 1859, pp. 399, 400.  
Brief field-notes on 9 spp.
1860. BRYANT, H. [Note on *Trochilus bahamensis*.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1860, p. 317.
1860. CABANIS, J., and HEINE, F. Museum Heineanum. . . . III. Theil, die Schriillvogel . . . Halberstadt, 1860. > Fam. Trochilidae, pp. 1-81.  
Though scarcely citable as a separate article, I notice this portion of the *Mus. Hein.* here for the many new names of Hummers it gives, as follows:—*Dolerisca*, p. 6; *Pygmaornis rufiventris* (for *rufigaster* V.), p. 7; *Toxoteuches*, p. 11; *Sphenoproetus*, p. 11; *Loxopterus*, p. 13; *Orotrochilus* (for *Oreotrochilus* Gould), p. 15; *Chrysolampis reichenbachi*, p. 31; *Thalurania forficata* (for *furcatoides* Gould), p. 24; *Sporadicus*, p. 25; *Aggrtria nireipetus* (for *chionopectus* Gld.), p. 33; *Pyrrophona*, p. 35; *P. suavis*, p. 36; *Hemithylaea*, p. 37; *H. hoffmanni*, p. 38; *H. warszewiczi*, p. 38; *Uranomitra lessoni*, p. 41; *Chrysirisca*, p. 42; *Panterpe*, p. 43; *P. insignis*, p. 43; *Chlorolampis*, p. 47; *C. salrini*, p. 48; *C. smaragdina*, p. 48; *Prasitis*, p. 49; *Pauechlora*, p. 46; *P. aurata*, p. 50; *P. stenura*, p. 50; *Aithurus*, p. 50; *Entima*, p. 51; *Sparganura*, p. 52; *Psalidoprymna*, p. 52; *Heliomaster solateri*, p. 54; *Cephalolepis* (for *Cephallepis* Lodd.), p. 61; *Polemistria*, p. 63; *Prymnacantha*, p. 64; *Urolampis*, p. 68; *U. chloropogon*, p. 68; *Agachyta*, p. 70; *A. aequitorialis*, p. 70; *Adolisca*, p. 72; *Anthocephala*, p. 72; *Heliotryphon* (for *Heliotrypha*), p. 74; *Streblorhamphus*, p. 76; *Opisthoproca*, p. 76; *Hypermetra*, p. 80.  
The high character of this publication is too well known to require comment here. These authors offer a notable contrast to some who could be named, and who would suffer by comparison, in the great care they take for the correct and precise orthography of words according to their classical etymology. Many of the above new names, in fact, have their origin in the practice of these authors to discard altogether, or at least to emend, any name not classical in form. Commendable as is this care in the coining of new words, it is perhaps going to an extreme to reject all words, otherwise unobjectionable, which are not formed in the same manner.
1860. GOULD, J. Descriptions of twenty-two New Species of Humming-Birds. < *P. Z. S.*, xxviii, 1860, pp. 304-312.  
*Grypus spizi*, *Glaucis melanura*, p. 304; *Phaethornis zonura*, *Angasma smaragdineum*, p. 305; *Eucephala coruleo-larata*, *E. hypocyanea*, p. 306; *Erythronota? elegans*, *Thaumatocis viridiceps*, *T. coruleiceps*, p. 307; *T. nitidifrons*, *Chlorostilbon melanorhynchus*, *C. acuticrurus*, p. 308; *C. osberti*, *Calothorax decoratus*, *Amazilia alticola*, p. 309; *Phlogophilus* (g. n.) *hemileucurus*, *Calliphlox? iridescens*, *Aphantochroa? gularis*, p. 310; *Eriocnemis squamata*, *Schistes personatus*, p. 311; *Thalurania tshudii*, *Oreopyra leucaspis*, p. 312.
1860. GOULD, J. Descriptions of twenty-two New Species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 301-309.  
From *P. Z. S.*, June 12, 1860, pp. 304-312, q. v.
1860. LAWRENCE, G. N. Descriptions of three new species of Humming-birds of the Genera *Heliomaster*, *Amazilia*, and *Mellisuga*. < *Ann. Lyc. Nat. Hist. New York*, vii, Apr., 1860, pp. 107-111.  
*H. stuarti*, p. 107, Bogotá; *A. xantusii*, p. 109, Cape St. Lucas; *M. merrittii*, p. 110, Veragua. [The "*Mellisuga merrittii*" = *Klais guimeti*.]
1860. LAWRENCE, G. N. Description of a New Species of Bird of the genus *Phaeton*, also of a New Species of Humming Bird of the Genus *Heliopaedica*. < *Ann. Lyc. N. Y.*, vii, Apr., 1860, pp. 142-145.  
The Hummer is named *H. costaneocauda*, p. 145; it is from Cape St. Lucas, and is the same as *Amazilia xantusii*. *Id. ibid.*, p. 109.
1860. OCA, R. M. DE. The Mexican Humming-Birds. < *Proc. Acad. Nat. Sci. Phila.*, xii, 1860, pp. 47, 48, 80, 81, 551-553.  
Descriptions of, and field notes on, 4 spp. in three separate papers: No. 1, *Campylopterus delattrei*; No. 2, *Cyanomyia cyanocephala*; No. 3, *Campylopterus paupu* and *Thaumastura elize*. (Title of Nos. 2 and 3 modified to "The Hummingbirds of Mexico".)
1860. SALVIN, O. Notes on the Humming-birds of Guatemala. < *Ibis*, ii, 1860, pp. 259-272.  
More or less extended biographical notes on 23 spp., with remarks upon several others.

1861. BREWER, T. M. [Remarks on exhibition of two nests of *Trochilus colubris*.] < *Proc. Boston Soc. Nat. Hist.*, vii, 1861, p. 426.
1861. GEOFFROY, L. DE. Note sur les Trochilidées, (Oiseaux-Mouches—Tominejas) de la Nouvelle Grenade.—Par Mr. L. de Geoffroy, Secrétaire de la Légation de France à Bogotá. < *Contribuciones de Colombia a las Ciencias i a las Artes publicadas con la cooperacion de la Sociedad de Naturalistas Neo-Granadinos, por E. Uricoechea, Año Segundo, 1861*, pp. 1-16 (8vo, Bogotá, imprenta de El Mosaico; Londres, Trübner & Co).
- The piece of the "Contribuciones" handled consists only of the above cover-title and of Geoffroy's article, which treats briefly of 64 spp., mostly with reference to their habits, &c. The list is dressed after Bonaparte's, with Gould's names also, when different, and with the native appellations; the whole preceded by some general considerations.
- Cf. *Ibis*, 1862, p. 188.
1861. GOULD, J. Descriptions of Two New Species of Humming-Bird, belonging to the Genus *Hypnoptila*. < *P. Z. S.*, xxix, 1861, pp. 198, 199.
- H. wrochrysa*, p. 198; *H. isauræ*, p. 199.
1861. GOULD, J. Descriptions of Two New Species of Humming-Birds belonging to the Genus *Hypnoptila*. < *Ann. Mag. Nat. Hist.*, 3d ser., viii, 1861, pp. 268, 269.
- From *P. Z. S.*, May 14, 1861, pp. 198, 199, *q. v.*
1861. GOULD, J. An Introduction to the Trochilidae, or Family of Humming-birds. By John Gould, F. R. S., &c. &c. London: printed for the author, by Taylor & Francis, Red Lion Court, Fleet street. 1861. 8vo. 4 p. ll., pp. i-iv, 1-216.
- Synonymatic list, with primary reference to the pl. of the folio work, habitat, and miscellaneous critical and biographical comment on the 416 spp. and 123 gen. presented. Species given without a reference are: *Phaethornis boliviana*, p. 42; *Eulampis longirostris*, p. 69; *Dorifera rectirostris*, p. 71; (*Stellula*, p. 90;) *Cyananthus caelestis*, p. 102; *Metalura quitensis*, p. 112 (*descr. nulla*); *Cyanomyia guatemalensis*, p. 148; (*Hemistilbon*, p. 149;) *Chrysura cæruleicapilla*, p. 165 (*descr. nulla*); *Circe*, p. 168; *Phæoptila*, p. 169; *Eucephala scopulata*, p. 166; *Phæoptila zonura*, p. 170; *Chlorostilbon igneus*, p. 176; *C. peruanus*, *C. napensis*, p. 177; *C. brevicaudatus*.
1862. ANON. Die Kolibris. < *Aus der Natur.*, xix, oder n. F. vii, Jan.-März 1862, pp. — — —.
- Not seen.
1862. CRISP, E. On some points relating to the Anatomy of the Humming-bird (*Trochilus colubris*). < *P. Z. S.*, xxx, 1862, pp. 208-210.
1862. GOULD, J. [Exhibition and Description of two New Species of Humming-birds from Ecuador, of a New *Fregilus* from the Himalayas, and of a new *Prion*.] < *P. Z. S.*, Apr. 8, 1862, pp. 124, 125.
- The Hummers named are *Heliothrix longirostris* and *Aphantochroa hyposticta*, p. 124.
1862. GOULD, J. [On new Trochilidae, a new *Fregilus*, and a new *Prion*.] < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, pp. 315-317.
- From *P. Z. S.*, April 8, 1862, pp. 124, 125, *q. v.*
1862. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Charadriidae, Trochilidae, and Caprimulgidae. < *Ann. Lyc. Nat. Hist. New York*, vii, Feb., 1862, pp. 455-460.
- The *Trochilidae* here described are *Thalurania luciae*, p. 456, and *Chlorostilbon insularis*, p. 457, both from the Tres Marias Isls.; *Trochilus auricularis*, p. 458, loc. ignot.; *Sapphirionia luminosa*, p. 458, N. Granada.
1863. BENVENUTI, H. Description de quatre nouvelles espèces de la famille des Trochilidae, provenant de la Nouvelle-Grenade et d'une nouvelle *Sylvia* du Brésil. < *Rev. et Mag. de Zool.*, xv, 1863, pp. 206-208.
- Polytmus ceciliæ*, *Mellisuga judith*, *M. salvadorii*, *M. ridolfii*, *Sylvia picciolii*, p. 207.—Traduction franç. d'un opuscule, petit in-4° de 16 pages, Florence, impr. royale, 1863. Voir le titre ci-dessous, 1866, BENVENUTI, E.
1863. CRISP, E. On some Points relating to the Anatomy of the Humming-bird (*Trochilus colubris*). < *Ann. Mag. Nat. Hist.*, 3d ser., xii, 1863, pp. 70-72.
- From *P. Z. S.*, June 24, 1862, pp. 208-210.

1863. GOSSE, P. H. The Humming Bird's Tongue. < *Zoologist*, xxi, 1863, pp. 8435, 8486, figg. 1, 2.
1863. GOULD, J. On a New Genus of Humming Birds [*Androdon aequatorialis*, sp. n.]. < *Ann. Mag. Nat. Hist.*, 3d ser., xii, 1863, pp. 246, 247.
1863. HEINE, F. Trochilidica. < *J. f. O.*, xi, 1863, pp. 173-217.  
An extended and elaborate critical review.—*Dnophera*, p. 175; *Aspasta*, p. 179; *Polyplancta*, p. 182; *Eranna*, p. 187; *Eratina*, p. 190; *Polyerata*, p. 194; *Eratopis*, p. 191; *Erasmia*, p. 191; *Cleantes*, p. 200; *Polygonymus*, p. 206; *Thaumatoissa*, p. 209; *Tricholopha*, p. 209; *Polyaena*, p. 215, genn. nn. *Thalurania subfurcata*, p. 181; *Agurtria terpna*, p. 184; *A. compsa*, p. 185; *Hemithylaea braccata*, p. 193; *Chlorostilbon egregius*, p. 197; *Lesbia margarethæ*, p. 213; *Docimastes schliephackei*, p. 215, spp. nn.
1863. WALLACE, A. R. Who are the Humming Bird's Relations? < *Zoologist*, xxi, 1863, pp. 8486-8491.  
*Cypselidae*, not *Nectariniidae*.
1864. BURMEISTER, H. Sobre los Picaflores descriptos por D. Felix de Azara. < *Anales del Mus. Publ. de Buenos Aires*, i, Entrega primera, 1864, pp. 67-70.  
This is the original form of the paper; see the German paper of same date. Cf. *Ibis*, 1865, p. 535; *P. Z. S.*, 1865, p. 467. See 1867, BURMEISTER, H.
1864. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridae, Cuculidae, and Trochilidae, with a Note on *Pantherpe insignis*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1864, pp. 41-46.  
The *Trochilidae* here described are *Urochroa leucura*, p. 43, Ecuador; *Urosticte ruficrisso*, p. 44, Ecuador; and *Ramphomicron olivaceus*, p. 44, Bolivia.
1865. BURMEISTER, H. [Extract from a letter concerning *Heliomaster angelæ*.] < *P. Z. S.*, 1865, pp. 466, 467.
1865. BURMEISTER, H. Ueber die von Azara beschriebenen Kolibri-Arten. < *J. f. O.*, xiii, 1865, pp. 225-229. Nachtrag dazu, *J. f. O.*, 1865, pp. 88-90.  
Azara's No. 289 = *Agurtria albiventrís*; Nos. 290, 291 = *Hylocharis ruficollis*; Nos. 292, 293, 294 = *H. bicolor* (degr. *flavifrons*); Nos. 295, 296 = *Lampornis mango*; No. 298, unbestimmbar; Nos. 297, 299 = *Heliomaster angelæ*. (Vergl. *Zool. Rec.* a. d. J. 1865, p. 100; *Ibis*, 1865, p. 535; *P. Z. S.*, 1865, p. 467.)
1865. LAWRENCE, G. N. Descriptions of new species of Birds of the Families Paridae, Vireonidae, Tyrannidae, and Trochilidae, with a Note on *Myiarchus panamensis*. < *Proc. Acad. Nat. Sci. Phila.*, xvii, Jan., 1865, pp. 37-39.  
The Hummers here described are *Chalybura aneicauda*, p. 38, Venezuela; *C. carnioli* and *Panychlora parvirostris*, p. 39, Costa Rica.
1865. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Tanageridae, Dendrocolaptidae, Formicariidae, Tyrannidae, and Trochilidae. < *Ann. Lyc. Nat. Hist. New York*, viii, 1865, pp. 126-135.  
The Hummer here described is *Eupherusa niveicauda*, p. 134.
1865. SCLATER, P. L. [Exhibition of specimens of *Heliomaster angelæ*, with notes thereupon by Prof. Burmeister.] < *P. Z. S.*, xxxiii, 1865, pp. 466, 467.
1866. BENVENUTI, E. Descrizione di quattro nuove specie della famiglia dei Trochilidi provenienti dalla Nuova Granata e di una nuova specie di Dendroica del Brasile con l'aggiunta di una nota riguardante la Fauna Toscana. < *Annali R. Museo di Fisica e Storia Nat. di Firenze* per il 1865, nuova serie, i, 1866, pp. 197-209.  
*Polytmus* (*Campylopterus*) *ceciliae*, p. 202; *Mellisuga* (*Panoplitus*) *judith*, p. 203; *M. (Cyanthus) salvadorii*, p. 204; *M. (Eriocnemis) ridolphi*, p. 205; *Dendroica picciolii*, p. 207.  
This is the title as taken direct from the *Annali* for 1865, dated 1866; but the article must have appeared, in substance at least, with the names of all these new species, as early as 1863, being noticed in French in the *Rev. et Mag. de Zool.* of that year, xv, pp. 206-208; where it is described as a sm. 4to of 16 pp., Florence, 1863. I have not seen it in that form, nor of such date.—Compare same author, 1863. (See especially *Ibis*, 1876, pp. 5-11.)
1866. BURMEISTER, H. Ueber die von Azara beschriebenen Kolibri-Arten. Nachtrag [J. f. O., 1865, pp. 225-229]. < *J. f. O.*, 1866, pp. 88-90.

1866. LAWRENCE, G. N. Characters of Seven New Species of Birds from Central and South America, with a Note on *Thaumatias chionurus*. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 344-350.

Besides the Hummer mentioned in the text there are described as new *Phæthornis cassini*, p. 347, and *Eupherusa cupreiceps*, p. 348.

1866. LAWRENCE, G. N. Descriptions of Six New Species of Birds of the Families Hirundinidæ, Formicariidæ, Tyrannidæ, and Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, 1866, pp. 400-405.

The Hummers here described are *Heliodoxa henryi*, p. 402, Costa Rica; *Thaumatias viridicaudus*, p. 404, Buenaventura; *Amazilia (Pyrrhophæna) graysoni*, p. 404, Tres Marias Islands. Cf. *Ibis*, 1867, p. 247.

1866. Mulsant, E., Verreaux, J., and Verreaux, E. Essai d'une Classification Méthodique des Trochilidées ou Oiseaux-Mouches. < *Mém. Soc. Imp. des Sci. Nat. de Cherbourg*, xii, 1866, pp. 152-240. (Separate, 8vo, Paris, 1866, pp. 98.)

Not seen.—Cf. *Ibis*, 1867, pp. 126-129; and especially *Zool. Rec.* for 1866, pp. 83-85, from which I took title and comment, before I handled the separate, which see (next title).

This work is designed to furnish an analytical arrangement of the family, and to characterize the several groups composing it. The *Trochilidæ* are primarily divided into two tribes, the Trochiliens and the Ornismiens, distinguished by characters drawn from the upper mandible. The Trochiliens form two sections, each of them with several branches, and the branch "Leucoliars" being further subdivided; and the Ornismiens similarly contain two divisions, each subdivided. The whole are arranged in 70 genera, including 29 subgenera, so great a reduction of the 123 genera recognized by Gould, in 1861, that "we should be inclined to look upon Prof. Mulsant's arrangement as an improvement, but for the belief that his reduction in their number seems to be obtained in some cases by totally ignoring certain of his predecessor's divisions, while, on the other hand, the use of so many groups larger than genera deprives the present work of a very desirable simplicity; but the fact, which is highly creditable to him, remains to be mentioned that characters which are more or less definite are assigned to each group of species, whether larger than a genus or less, named or unnamed." 11 new genera and 13 new subgenera are proposed; others are used in a sense very different from that attributed to them by Gould. There is great liberty taken with the spelling. 370 spp. are enumerated, among them 4 new ones without description—a most reprehensible practice. The work is announced as merely the precursor of a larger one on the same subject.

*Leucolia*, p. 31; *Ariana*, p. 36; *Euclosia*, p. 63; *Callidice*, p. 65; *Erebenna*, p. 66; *Bellona*, p. 75; *Paphosia*, p. 75; *Telamon*, p. 75; *Uralia*, p. 81; *Amathusia*, p. 85; *Zephyritis*, p. 87, are new genera; and *Dyrinia*, *Egolia*, *Elvira*, *Empogonus*, *Galenia*, *Ilalia*, *Manilia*, *Mesophila*, *Momus*, *Osalia*, *Philodice*, and *Polymnia* are new subgenera. *Amazilia lessoni*, p. 35 = *A. pristina* of Gould; *Diphlogena* (*Helianthea*) *lesseni*, p. 61 = *Lampropygia celigena* + *L. boliviana* of Gould; *Bellona hectoris*, p. 75 = *Orthorhynchus ornatus* of Gould; *Zephyritis (Calypte) elvire*, p. 88 = *Calypte helene* of Gould.

1866. Mulsant, E., Verreaux, J., and Verreaux, E. Essai d'une Classification Méthodique des Trochilidées ou Oiseaux-Mouches, par E. Mulsant, Sous-Bibliothécaire de la ville de Lyon, Professeur d'histoire naturelle au Lycée, Président de la Société linéenne, etc., et Jules Verreaux, Attaché au Muséum d'histoire naturelle de Paris, Edouard Verreaux, Marchand-naturaliste. — [Paris, F. Savy, Libraire, Desroille, Rue Hautefeuille, 24, || Rue de la Monnaie, 19, Verreaux, Place Royale, 9.] [1866.] 1 vol. 8vo. pp. 98.

Extrait des Mémoires de la Société Impériale des Sciences Naturelles de Cherbourg, t. xii, 1866. Cherbourg: Imp. Bedelfontaine et Syffert.

1866. SCLATER, P. L. [Exhibition of some specimens of *Eustephanus fernandensis* and *E. stokesi*.] < *P. Z. S.*, xxxiv, 1866, pp. 556, 557.

Including extracts from a letter by E. L. Landbeck on the *Trochilidæ* of Juan Fernandez.

1867. BURMEISTER, H. Suplemento á las noticias sobre los Picaflores de d. Félix de Azara. < *Anal. Mus. Publ. Buenos Aires*, i, Entrega segunda, 1867, p. 86 (última página).

"La última página de la primera Entrega debe suprimirse por estar reimpressa en la segunda Entrega." This "suplemento" is therefore on the last page (86) of Entrega i, 1864; but only appeared with Entrega ii, 1867. See 1864, BURMEISTER, II.

1867. LAWRENCE, G. N. Descriptions of New Species of Trochilidæ. < *Ann. Lyc. Nat. Hist. New York*, viii, May, 1867, pp. 483-485.

*Doricha bryantæ*, p. 483; *Oreopyra venusta*, p. 484; *O. cinereicauda*, p. 485; all three from Costa Rica.

1863. GOULD, J. Descriptions of two new species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 4th ser., i, 1863, pp. 322, 323.  
*Eriocnemis smaragdinipectus*, p. 322, Ecuador; *Gouldia melanosternon*, p. 323, Peru.
1863. GOULD, J. On some additional species of Eutoxeres. < *Ann. Mag. Nat. Hist.*, 4th ser., i, 1863, pp. 455-457.  
*Eutoxeres heterura*, p. 457, sp. n., from Central Ecuador, and *E. salvini*, p. 457, sp. n., from Veragua and Costa Rica.
1863. MILLINGTON, L. A. An albino Humming-Bird [*Trochilus colubris*?]. < *Am. Nat.*, ii, 1863, p. 110.
1863. MILLINGTON, L. A. An Albino Humming Bird [*Trochilus colubris*?]. < *Zoologist*, 2d ser., iii, 1863, p. 1343.  
 From the "American Naturalist," April, 1863.
1863. SALVIN, O. [On the probable identity of *Heliomaster spectabilis* Lawr. (cf. *Ibis*, 1868, 115) with *Eugenes fulgens*.] < *Ibis*, 2d ser., iv, 1863, p. 251.
1869. BEULLOCH, —. El Pájaro-mosca [*Trochilus*]. < *La Naturaleza*, i, 1869, pp. 61-69.  
 Traducido y anotado por D. Jesus Sanchez. "La primera noticia acerca de estas aves data del año 1558, y se encuentra en 'Las singularidades de la Francia antártica' (Brasil)".
1869. GOULD, J. Description of a New Genus and Species of the Family Trochilidae. < *P. Z. S.*, xxxvii, 1869, pp. 295, 296.  
*Oreonympha nobilis*, p. 295, Tinta, Peru.
1869. GOULD, J. Descriptions of five new species of birds from Queensland, Australia; and a new Humming-bird from the Bahamas. < *Ann. Mag. Nat. Hist.*, 4th ser., iv, Aug., 1869, pp. 103-112.  
 Not seen.—The Hummer is *Doricha tyrura*, p. 112; from Inagua, Dr. H. Bryant.
1870. A[LLEN], J. A. [Identification of a specimen of *Trochilus colubris*.] < *Am. Nat.*, iv, 1870, p. 576.
1870. BAIRD, S. F. Agency of Humming-birds in fertilizing Plants. < *Harper's New Monthly Mag.*, xl, 1870, p. 940.
1870. ELLIOT, D. G. Description of a new Species of Humming-bird of the Genus *Chrysolampis* [*chlorolama*]. < *Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 346.
1870. GOULD, J. [Remarks on a Collection of Humming-birds made by Mr. Buckley in Ecuador, and Descriptions of two new Species.] < *P. Z. S.*, xxxviii, 1870, pp. 803, 804.  
*Chatoecerus bombus*, *Thalurania hypochlora*, p. 804, both from Citado, Ecuador; with list of 30 spp.
1870. GOULD, J. On a supposed new Species of Humming-bird [*Eustephanus leiboldi*] from the Juan-Fernandez Group of Islands. < *Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 406.
1871. ELLIOT, D. G. Descriptions of two new Species of Humming-birds belonging to the Genera *Enpheresa* and *Cyanomyia*. < *Ann. Mag. Nat. Hist.*, 4th ser., viii, 1871, pp. 266, 267.  
*E. poliocerca*, p. 266, Putla, Mexico; *C. viridifrons*, p. 266, Mexico.
1871. GOULD, J. Descriptions of six new Humming-Birds. < *P. Z. S.*, xxxix, 1871, pp. 503-505.  
*Helianthea osculans*, *Helianthus squamigularis*, p. 503; *Heliomaster albicrissa*, *Lesbia chlorura*, p. 504; *Eriocnemis russata*, *Polytmus leucorrhous*, p. 505.
1871. GOULD, J. On a new Species of Humming-bird belonging to the Genus *Spethura* [*solstitialis*]. < *Ann. Mag. Nat. Hist.*, 4th ser., viii, 1871, pp. 61, 62.
1871. JOHNSON, L. The Humming Bird [*Trochilus colubris*]. < *Am. Nat.*, v, 1871, pp. 309, 310.  
 Notes of nidification at Bradford, Massachusetts.
1871. LAWRENCE, G. N. Descriptions of three New Species of American Birds, with a Note on *Eugenes spectabilis*. < *Ann. Lyc. Nat. Hist. N. Y.*, x, 1871, pp. 137-140.  
 The specific validity of *Eugenes spectabilis* reaffirmed.



1872. ELLIOT, D. G. Description of a supposed new Species of Humming Bird of the Genus *Eriocnemis*. < *Ibis*, 3d ser., ii, 1872, pp. 293-295.  
*E. dyselius*, p. 294; list of 14 spp. of the genus.
1872. ELLIOT, D. G. The Humming-birds of the West Indies. < *Ibis*, 3d ser., ii, 1872, pp. 345-357.  
 General characteristics of the trochilidinae *Ornis*; synonymatic and critically annotated synopsis of 18 spp., with tabular view of their distribution in each of the islands.
1872. GOULD, J. Descriptions of two new Species of Humming-Birds. < *Ann. Mag. Nat. Hist.*, 4th ser., ix, 1872, pp. 195, 196.  
*Helianthus micraster*, *Chlorostilbon pumilus*, p. 195.
1872. GOULD, J. Description of three new Species of Humming-birds. < *Ann. Mag. Nat. Hist.*, 4th ser., x, 1872, pp. 452, 453.  
*Tolama whitelyana*, *Adelomyia chlorospila*, p. 452; *A. cerrina*, p. 453.
1873. ANON. The Ruby-throated Humming Bird [*Trochilus colubris*]. < *Am. Sportsman*, iii, 1873, p. 54. See also p. 251.
1873. ANON. A Humming-bird Fight. < *Kingslon [N. Y.] Freeman*, Sept. 5th, 1873.  
 Between two individuals of *Trochilus colubris*. Quoted in *Am. Sportsman*, ii, 1873, p. 187.
- 1873? BOUCARD, A. Notes sur quelques Trochilidés. 8vo. pp. 16.  
 Présentées à la Société linnéenne de Lyon, les 10 février 1873 et séances suivantes.
1873. GOULD, J. On a new Genus and Species [*Hylonompha macrocerca*] of the Family Trochilidae. < *Ann. Mag. Nat. Hist.*, 4th ser., xii, 1873, p. 429.
- 1873-77. MULSANT, E., and VERREAUX, E. Histoire Naturelle des Oiseaux-Mouches ou Colibris constituant la famille des Trochilidés. Par E. Mulsant et feu Edouard Verreaux. Ouvrage publié par la Société Linnéenne de Lyon. Paris. 1873-77. 4 vols. 4to. Pub. par livr.  
 I have only seen the first two livraisons, and therefore cannot give the full title and collation of this great work.—Vol. I, Livr. 1, 2, 1873; 3, 4, 1874: pp. i-vi, 1-343, pll. xv. Vol. II, Livr. 1, 2, 1875; 3, 4, 1876. Vol. III, Livr. 1, 2, 1876; 3, 4, —? Vol. IV, Livr. 1-4, —? It is said to have been completed in 1877. Cf. *Ibis*, 1874, pp. 453, 454.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidae. The genus *Phaethornis*. < *Ibis*, 3d ser., iii, 1873, pp. 1-14.  
 In this and subsequent papers of the same character, forming in effect a series, but with modified caption, the synonymy, distribution, and diagnoses are very elaborately treated, with much critical commentary, and lists of specimens examined. The present article treats in such manner of 14 spp. of the genus named.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidae. The Genera *Pygornis*, *Glaucis*, and *Threnetes*. < *Ibis*, 3d ser., iii, 1872, pp. 269, 279.  
*Pygornis*, 8 spp.; *Glaucis*, 1 sp.; *Threnetes*, 4 spp.
1873. SALVIN, O., and ELLIOT, D. G. On two Species of Trochilidae of the Genus *Lophornis*. < *Ibis*, 3d ser., iii, 1873, pp. 279, 280.  
*L. gouldi*; *L. stictolophus* (= *reginae* Gould, nec Schreibers), p. 280, sp. renom.
1873. SALVIN, O., and ELLIOT, D. G. Notes on the Trochilidae. The Genus *Thalurania*. < *Ibis*, 3d ser., iii, 1873, pp. 353-361.  
 11 spp., with 2 others not known to the authors.
1873. WHITELY, H. Notes on Humming-birds collected in High Peru. < *P. Z. S.*, 1873, pp. 187-191.  
 Field-notes on 17 spp. For later notes see *tom. cit.*, p. 784, and *op. cit.*, 1874, p. 675.
1873. WHITELY, H. Additional Notes on Humming-birds collected in High Peru. < *P. Z. S.*, 1873, p. 784.  
 Field-notes on 5 spp. For other notes see *tom. cit.*, p. 187, and *op. cit.*, 1874, p. 675.
1874. ELLIOT, D. G. Description of an apparently new Species of Bird belonging to the Family Trochilidae, of the Genus *Eucephala*. < *Ibis*, 3d ser., iv, 1874, pp. 87-89.  
*E. subcaerulea*, sp. n. List of 9 spp. of the genus.
1874. ANON. The Pugnacity of the Humming Bird. < *Am. Sportsman*, iii, 1874, p. 251. See also Vol. II, 1873, p. 187.

1874. ELLIOT, D. G. Remarks on some Typical Specimens of the Trochilidae, with a Description of one new Genus. < *Ibis*, 3d ser., iv, 1874, pp. 261-264.  
A. von Pelzel's types from the Vienna Museum. *Ptochoptera*, p. 261, gen. n., based on *Thaluranian iolæma* Pelz. The other species remarked upon are *Cephalepis beekii*, p. 262; *Argyria meliphila*, p. 263; *A. media*, p. 263; and *Thaluranian lerchi*.
1874. ELLIOT, D. G. Notes on the Trochilidae. The Genus *Helianthus*. < *Ibis*, 3d ser., iv, 1874, pp. 330-335.  
8 spp. critically treated.
1874. "H. A." The Humming Bird [*Trochilus colubris*] and her Nest. < *Am. Sportsman*, iii, 1874, p. 381.  
Bird protected its nest during a storm by leaves temporarily fastened above it.
- 1874-75. OCA, R. M. DE. Ensayo ornitológico de la familia Trochilidae o sea de los Colibries o Chupamirtos de Mexico. < *La Naturaleza*, iii, 1874, pp. 15-31, 59-66, 99-106; iii, 1875, pp. 159-167, 203-211, 299-304; 12 láminas.  
Also separate, 1 vol., 4to, Mexico, 1875, q. v.
1874. PARTRIDGE, I. H. Humming-Birds. < *Pop. Sci. Monthly*, July, 1874, pp. 277-287, figg. 1-5.  
General popular account.
1874. "READER." A Tame Humming Bird [*Trochilus colubris*]. < *Am. Sportsman*, iv, 1874, p. 75.
1874. S[CLATER], P. L. [List of seven species of Trochilidae procured by Mr. H. Whitely in High Peru.] < *P. Z. S.*, Dec. 1, 1874, p. 676.  
Merely a foot-note to one of Mr. Whitely's articles on Peruvian *Trochilidae*.
1874. VILLADA, M. M. Troquilideos [*Trochilidae*] del valle de México—su descripción y sinonimia adoptada por el profesor Jhon [sic] Gould, con algunas notas sobre sus costumbres. < *La Naturaleza*, ii, 1874, pp. 339-369, pl. 1.
1874. WHITELY, H. Further Notes on Humming-birds collected in High Peru. < *P. Z. S.*, Dec. 1, 1874, pp. 675, 676.  
On the habits of *Lesbia nuna*, *Acestrura mulsanti*, *Oreonympha nobilis*, and *Bourcieria inca*. Note by P. L. S[clater] giving list of seven spp. collected by Mr. Whitely in High Peru. For Mr. Whitely's earlier notes see *P. Z. S.*, 1873, pp. 187 and 784.
1875. ELLIOT, D. G. Notes on the Trochilidae. The Genera *Chlorostilbon* and *Panychlora*. < *Ibis*, 3d ser., v, Apr., 1875, pp. 149-172.  
Monographic; much criticism, synonymy, &c. *Chlorostilbon*, 8 spp. *Panychlora*, 3 spp.
- 1875? BOUCARD, A. Notes sur les Trochilidés du Mexique. 8vo. pp. 16.  
Présentées à la Société Linéenne de Lyon, le 11 janvier, 1875.—P. 14, Liste générale des Trochilidés du Mexique; p. 15, Errata de ses premières notes (1873).
1875. Mulsant, E. Catalogue des Oiseaux-Mouches ou Colibris. Lyons, Paris and London. 1875. 8vo. pp. 32.  
Not seen. According to the *Zool. Rec.*, a number of new generic names occur in this list, some but not all of which were afterward characterized in the same author's *Hist. Nat. des Ois.-Mouches*, then in course of publication. They are as follows: *Alsosia*, p. 17; *Amalsia*, p. 29; *Aurinia*, p. 27; *Calligenia*, p. 20; *Dialia*, p. 27; *Eudusia*, p. 20; *Eudusia* (bis), p. 32; *Engyete*, p. 21; *Eupogonius*, p. 26; *Helymus*, p. 23; *Himalia*, p. 28; *Himelia*, p. 7; *Hypolia*, p. 17; *Idas*, p. 27; *Lavinia*, p. 24; *Leucaria*, p. 29; *Lisoria*, p. 11; *Methon*, p. 7; *Myrmia*, p. 32; *Mytina*, p. 28; *Nania*, p. 21; *Niche*, p. 21; *Nodalia*, p. 23; *Peratus*, p. 23; *Pholoe*, p. 22; *Polyplaneta*, p. 17; *Saturia*, p. 21; *Sericotes*, p. 15; *Timolia*, p. 23; *Tricholopha*, p. 27.
1875. OCA, R. M. DE. Ensayo ornitológico | de los | Troquilideos ó Colibries de México | por Rafael Montes De Oca | Miembro de la Sociedad Mexicana de Historia Natural, Profesor de Dibujo, | Pintura en Cristal, é idiomas | publicado | con la proteccion del Ministerio de Fomento | Inter folia fructus | Mexico | imprenta de Ignacio Escalante, | Bajos de San Agustin num. 1. | — | 1875. 1 vol. 4to. 2 p. ll. (title and dedication), pp. 1-58 (text), 1 l. (index); portrait of author (frontisp.), and 46 figg. col'd on 12 pll. (Separate from *La Naturaleza*, iii, 1874-5.)  
Introduccion, pp. 1-4: idea general de dichas aves y uso que hacen de sus plumas los antiguos Mexicanos, pp. 5, 6; descripcion de los Colibries que se encuentran en México (48 especies), pp. 6-58; Indice, pp. 59, 60.

1876. COOPER, J. G. Early Nesting of the Anna Humming-Bird [*Calypte anna*]. < *Am. Nat.*, x, No. 1, Jan., 1876, pp. 48-50.
1876. ELLIOT, D. G. Remarks on some Type Specimens of Trochilidæ from the Museums of Neuchâtel and Florence. < *Ibis*, 3d ser., vi, No. xxi, Jan., 1876, pp. 5-11.  
*Bourcieria insectivora* (Tschudi). *Heliodoxa leadbeateri* (Bourc.). *Leucippus leucogaster* (Tschudi).—*Mollisuga judith*, Benv. = *Paroplitus flavescens*. *M. salvadorii*, Benv. = *Cyananthus cyanurus* ♀. *M. ridolfii*, Benv. = *Eriocnemis vestita* ♀.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genus *Lampropygia*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 54-60.  
 Critical notes on 7 spp. *L. columbiana*, p. 57, sp. n.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Cyanomyia* and *Heliothrypha*. < *Ibis*, 3d ser., vi, July, 1876, pp. 311-319.  
 Of the former 7 and of the latter 3 spp. are distinguished, with synonymy and criticism.
1876. ELLIOT, D. G. Notes on the Trochilidæ. The Genera *Heliothrix*, *Calliphlox*, *Catharma* [g. n.], and *Petasophora*. < *Ibis*, 3d ser., vi, Oct., 1876, pp. 394-407.  
*Heliothrix*, 3 spp.; *Calliphlox*, 2 spp.; *Catharma*, 1 sp.; *Petasophora*, 6 spp.; with synonymy, diagnosis, and criticism.
1877. BEAL, W. J. Fertilization of Flowers by Birds [i. e., by *Trochilus colubris*]. < *Am. Nat.*, xi, No. 12, Dec., 1877, p. 754.
1877. BOUDWIN, G. The ruby-throated humming bird [*Trochilus colubris*]. < *Forest and Stream*, viii, June 7, 1877, p. 280.  
 Account of the nidification.
1877. ELLIOT, D. G. Review of the Specimens of Trochilidæ in the Paris Museum, brought by D'Orbigny from South America. < *Ibis*, 4th ser., i, 1877, pp. 133-142.  
 D'Orbigny's were among the most important of the earlier collections of these difficult birds, and the present paper, drawn up from their examination, is specially valuable. Comparatively few of the species, described as new by D'Orb. and Lafr., stand, most being provided with earlier names by Vieillot, Lesson, etc. *Thaumatias neglectus*, sp. n., p. 140 = *Orniomya bicolor* D'Orb. & Lafr. Upwards of 30 spp. are accounted for.
1877. ELLIOT, D. G. [*Amazilia lucida*, sp. n.] < *Ann. Mag. Nat. Hist.*, 4th ser., xx, 1877, pp. 404 — —.  
 Not seen. Cf. *Ibis*, 1878, p. 113.
1877. ELLIOT, D. G. Remarks on *Selasphorus alleni*. Henshaw. < *Bull. Nutt. Ornith. Club.*, ii, No. 4, Oct., 1877, pp. 97-102. 2 figs.  
 Contents that *S. alleni* is the true *S. rufus* Gm., and names *S. henshawi* (p. 102) what Henshaw had considered to be *S. rufus*. Cf. *op. cit.*, iii, 1878, p. 11.
1877. HENSHAW, H. W. Description of a new species of Humming-Bird from California. < *Bull. Nutt. Ornith. Club.*, ii, No. 3, July, 1877, pp. 53-58. 2 figs.  
*Selasphorus alleni*, p. 53, compared at much length with *S. platycercus*.
1877. HENSHAW, H. W. Notes on the Habits of the Green-backed California Humming Bird. *Selasphorus Alleni*, (Henshaw). < *Field and Forest*, iii, No. 6, Dec., 1877, pp. 95-98.
1877. LAWRENCE, G. N. Note on *Doricha enicura* (Vieill.). < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, p. 108, 109.  
 The so-called "*Doricha enicura* (Vieill.)," which had been ascribed to the U. S., proves to have been *Calothorax lucifer* (Sw.) ♀. See Henshaw, *Amer. Sportsm.*, v, Feb. 20, 1875, p. 328, and *Rep. Expl. W. 100th Merid.*, Vol. V, p. 381.
1877. LAWRENCE, G. N. Descriptions of New Species of Birds of the Families Trochilidæ and Tetraronidæ. < *Ann. N. Y. Acad. Sci.*, i, Dec., 1877, pp. 50-52.  
*Sporadinus braeii*, p. 50, Bahamas; *Orthorhynchus emigrans*, p. 51, Venezuela; *Cyrtonyx semicinctus*, p. 51, Tehuantepec. (Cf. *Ibis*, 1878, p. 468.)
1877. MERRILL, J. C. A Humming Bird [*Amazilia cerviniventris*] new to the Fauna of the United States. < *Bull. Nutt. Ornith. Club*, ii, No. 1, Jan., 1877, p. 26.

1877. Mulsant, E. Description d'une espèce nouvelle de Trochilidé. < *Ann. Soc. Linn. Lyon*, Oct. 12, 1877, pp. — — —.
- Not seen. *Arinia* (g. n.) *boucardi*, p. —, Costa Rica. Cf. *Ibis*, 1878, p. 469.
1877. Salvadori, T. Description of a . . . and of a new Humming-bird of the Genus *Helianthus*. < *Ibis*, 4th ser., i, July, 1877, pp. 337-339.
- The Hummer here described is *Helianthus tuczanowskii*, p. 338, from Bogotá (Münsberg).
1877. [SCLATER, P. L., and SALVIN, O.] Mulsant's 'Histoire Naturelle des Oiseaux-Mouches.' < *Ibis*, 4th ser., i, Apr., 1877, p. 244.
- Review of parts of that work. Cf. *Ibis*, 1875, p. 510.
1878. ALLEN, C. A. An Albino Anna Humming-Bird [*Calypte anna*]. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 192, 193.
1878. COUES, E. Nest and Eggs of *Selasphorus platycercus*. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 95.
- Communicated by E. A. Barber.
1878. ELLIOT, D. G. Notes on the Trochilidae. The Genus *Thaumatias*. < *Ibis*, 4th ser., ii, Jan., 1878, pp. 35-53.
- One of the most extensive and important of this writer's numerous critical reviews of Hummers, analyzing and describing no fewer than 21 spp. which he considers to belong here, among them *T. nigricauda*, p. 47, and *T. nitidicauda*, p. 48, spp. nn. The author considers that these birds should be called by Reichenbach's name of *Argyrtia*; a view from which the editors dissent.
1878. ELLIOT, D. G. Description of a new Species of Humming-bird, from Mr. Gould's Collection, belonging to the Genus *Iolama* [*luminosa* Gould MS.]. < *Ibis*, 4th ser., ii, No. 6, Apr., 1878, p. 188.
1878. HENSHAW, H. W. Additional Remarks on *Selasphorus alleni*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 11-15.
- Defends and re-establishes his original position respecting *S. rufus* and *S. alleni*. Cf. *op. cit.*, 1877, pp. 53 and 97.
1878. RIDGWAY, R. On a new Humming Bird (*Atthis ellioti*) from Guatemala. < *Proc. U. S. Nat. Mus.*, i, 1878, pp. 8-10, 2 figg.
- The new species is carefully compared with its nearest relative, *A. heloise*, the characters and synonymy of which are also given; and both are figured in outline in the ents.
1879. ALLEN, J. A. Elliot's Synopsis of the Trochilidae. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 230-232.
- Review of that work.
1879. BALLOU, W. H. A Hummer's [*Trochilus colubris*] Meal. < *Am. Nat.*, xiii, No. 2, Feb., 1879, p. 127.
- Lapping sirup "as a dog would lap water."
1879. BURROUGHS, J. Does the Humming-Bird [*Trochilus colubris*] sing? < *Science News*, i, No. 5, Jan. 1, 1879, p. 89.
- Answered affirmatively by "an intelligent Vermont lady."
1879. DALL, W. H. On the Use of the generic Name *Gouldia* in Zoology. < *P. Z. S.*, Feb. 4, 1879, pp. 131, 132.
- Not available in Ornithology, being preoccupied in Conchology. Another genus of *Trochilidae*, *Italia* M. & V., is in like case. *Doryfera* is antedated by *Doryphora*. (*Glaucus* Bruch, *Laridae*, and *Gnathodon* Jardine, *Columbidae*, both also preoccupied in mollusks.)
1879. ELLIOT, D. G. Smithsonian Contributions to Knowledge. | — 317 — | A | Classification | and | Synopsis of the Trochilidae. | By | Daniel Giraud Elliot, F. R. S. E., Etc. | — | Washington City: | published by the Smithsonian Institution. | [March, 1879.] 4to. cover-title, pp. i-xii, 1-277, figg. 1-127. (Forming a part of Vol. xxiii of the *Smiths. Contr. Knowl.*)
- The above is the cover-title; the regular title is the same, excepting the words "[March, 1879.]", in place of which is "[Accepted for publication, January, 1878.]". Printed at Philadelphia, by Collins. Title and preface, pp. i-vi; contents, pp. vii-xii; main text, pp. 1-248, with 127 figures. Appendix: key to the 120 genera, pp. 249-256. Index of 120 genera adopted, pp. 257, 258; index of 339 generic names mentioned, pp. 259-262; index of 426 species adopted, pp. 263, 268; index of 880 specific names mentioned, pp. 269-277. Apr., 187 to p. 8; July,

## 1879. ELLIOT, D. G.—Continued.

1878, to p. 40; Aug., 1878, to p. 80; Sept., 1878, to p. 136; Oct., 1878, to p. 144; Nov., 1878, to p. 160; Dec., 1878, to p. 208; Jan., 1879, to p. 218; appendix and furnishings, March, 1879.

This great work treats formally of the genera and species of the family, giving extensive synonymy, description, habitat, and general comment in nearly every case. It is evidently prepared with care, by one exceptionally familiar with a subject so fascinating and so peculiarly difficult as is that of the present family. It is a monograph in a high sense of that term, and one which places the matter in a state more satisfactory than that in which it had been left by Gould and other leading specialists.

The author recognizes 120 genera in this family, making a very judicious reduction in number from the 339! generic names mentioned in the work; no fewer than 219 being reduced to synonyms. In like conservative manner, the species regarded as valid are 426 in number, out of 880 nominal ones which the author accounts for, leaving 454, or more than half, as synonyms. Such treatment as this is *prima facie* evidence of the merit of the author's work and trustworthiness of his results; for a similar reduction of nominal species is the usual result of a critical study of the current lists of species and genera in nearly every group in ornithology. There is a running commentary through the work on the systematic position and relations of the generic forms; and analyses of the species of each genus, greatly facilitating their determination.

Nearly all the genera, at least, and some of the leading specific forms, are illustrated by outline figures of head, wing, and tail, showing details of external form. There are 127 such figures, or, on an average, a little more than one to each genus treated.

The author's previous study of this group may be inferred from the list of 15 papers, either by himself alone or in joint authorship with Salvin, published in the *Ibis*, 1872-1878 (see above for these). These papers discuss, more at length than the present Synopsis does, the occasion for many of the author's conclusions, particularly in the matter of nomenclature and synonymy.

New names proposed are: *Floricola*, p. 82, *Callipharus*, p. 211, and *Iache*, p. 234, *genn. nn.*; *Petasophora rubrigularis*, p. 51, and *Bourcieria assimilis*, p. 78, *spp. nn.*

Extracts from the Preface will further elucidate the plan and scope of the work:—"In the following Synopsis I have given every species of Humming-bird known to me, that in my opinion is entitled to a separate rank, and even of these, it is possible that future information will compel us to place some of them among the synonyms of others. Although the Family contains a certain number of groups, composed of species having more or less relationship with each other, I have not seen my way very clear to the recognition of any subfamilies as has been done by other writers. . . . In the present Synopsis, the recognition of genera has been carried to the farthest limit that seemed practicable, and in every case it has been attempted to give structural characters for the genera which have been acknowledged. . . . The arrangement here given of the species composing this Family is, I am aware, very different from all those heretofore proposed. It is not, however, the result of guess or imagination, but has been arrived at by a careful comparison of the different species themselves, for of the 426 acknowledged as distinct in this Synopsis, about 380 are continued in the great collection, by the assistance of which this book has been written, and of the remaining ones, with but few exceptions, I have carefully examined the types. . . . In the present work, both Genera and Species have been critically examined, and it has been found necessary to make some important and very unexpected changes, especially in the first of these divisions; but it is believed that in every instance a satisfactory explanation is given for thus deviating from the course, which, when judged by the law of priority, had been ascertained to be incorrect, although perhaps sanctioned in some degree by custom. . . . The synonymy is that which, in the majority of cases, refers to a passage in the work cited, that gives some desirable information regarding the species. . . . The chief exceptions to this are the lists of Bonaparte and Reichenbach, which, on account of the many genera first proposed in them, could not be passed over. The value of synonymy has not been deemed to consist in its great length.—The same may be said of the descriptions of the species. Usually one of a genus has been pretty thoroughly described, but I have thought it best, in the majority of cases, to give simply the differences that may exist in allied species. . . . The asterisk, placed before the names of certain species indicates that it [*i. e.*, the species in mention] is not contained in my collection. . . . The drawings which illustrate the generic characters, are with few exceptions, all made from specimens contained in my collection." And I may add, as the author omits to do so, that that they were all drawn by Mr. R. Ridgway.

This "Classification and Synopsis of the Trochilidæ" is likely to supplant previous monographs as the leading authority on the subject.

1879. SCLATER, P. L. [*Thaumasius taczanowskii*, g. sp. n., Peru.] < P. Z. S., Feb. 18, 1879, pp. 145, 146.

The genus *Thaumasius*, though intended as an emendation of *Thaumatias*, is in effect a new genus: see *Ibis*, 1879, p. 451.

1879. [SCLATER, P. L., and SALVIN, O.] Elliot's Classification of the Trochilidæ.

< *Ibis*, 4th ser., iii. Oct., 1879, pp. 479, 480.

Notice of the work.

#### ADDENDUM TO TROCHILIDÆ.

Trochilidæ literature is extensive, and most of it is "special"—that is, represented by books and papers exclusively devoted to this group of birds. Hummers are very peculiar birds, and their study may almost be said to form a particular department of ornithology—in fact, the word "Trochilidist" has been coined to designate those who pay special attention to this branch of the science; and there are few ornithologists who, however great their general acquirements, can be considered experts in this study. As the plan of this Bibliography, consequently, permits an exceptionally complete exposition of Trochilidæ literature, certain points which appear upon consideration of the whole subject may not improperly be here noted, as preliminary to the list of the genera of Hummingbirds with which this Addendum concludes.

Hummers were of course unknown to the ancients, whose *τροχιλος* or *trochilus* is believed to have been one of the Plovers (*Charadriidæ*). Misled by the false analogy of small size, slender bill, and glittering plumage, some comparatively modern authors have confounded these exclusively American birds with certain Old World forms, as the *Cinnyridæ* for instance. But as a rule the *Trochilidæ* have been recognized as one of the most perfectly circumscribed groups in ornithology. The literature of the subject dates back to the "heroic age": the first mention of any bird of this family is said to have been made in 1558, and can scarcely have been earlier. Scattered notices of such birds appeared in various works relating to America during the remainder of the xvi. and the whole of the xvii. century; but it was not until toward the close of the latter that special papers upon the subject appeared: the oldest one which I have seen dating 1693, when Hamersly described the "American Tomincius" in the *Philos. Trans.* The xviii. century gave us almost nothing of this kind; but notices multiplied in various historical, geographical, and narrative works relating to America: while during the latter half of this century—that is to say, in the Linnean period—several formal accounts of *Trochilidæ* formed a part of the systematic treatises on ornithology: notably, those of Linnaeus, Brisson, Buffon, Gmelin, and Latham; but the sum is small, and the substance meagre, of all that was learned of the birds prior to 1800.

In 1758, when Linnaeus applied his system consistently to birds, in the x. ed. of the *Syst. Nat.*, he used the classic word *Trochilus* for a genus coextensive with the modern family *Trochilidæ*, and catalogued 18 species, mostly based upon descriptions or figures furnished by Seba, Brown, Sloane, Catesby, Edwards, Clusius, and Albin: with references also to the *Mus. Ad. Fr.* In the xii. ed., 1766, this number was increased to 22, with many additional references, as to Maregrave, Willughby, Ray, and especially Brisson.

In 1760, the last-named famous ornithologist gave us what may be deemed the first extended, or in any sense "monographic" account of *Trochilidæ*. Studiously collating the already numerous notices scattered through works of the character I have mentioned, as well as through the illustrated and other natural history treatises of his predecessors in ornithology, he was enabled to describe with his customary elaboration no fewer than 36 species, and to present a copious bibliography. He also made the first tenable genera of Hummers after *Trochilus*, dividing the whole family into two groups, *Polytmus* and *Mellisuga*—one containing large species with curved bills, the other small species with straight bills. In this action of Brisson's we see the origin of the curious fashion which so long endured among French writers—that of distinguishing "Colibris" from "Oiseaux-mouches" among *Trochilidæ*. It is also notable as the starting-point of a generic subdivision of the group which was destined at length to reach the farcical and scandalous extreme of some 350 genera for few more than 400 known species.

In 1779, Buffon adopted the same two divisions of "Colibris" and "Oiseaux-mouches," presenting 19 species of the former, and 24 of the latter group: a total of 43 *Trochilidæ*. If we except the mere naming and describing of some additional species by Gmelin and Latham, nearly all that had been learned of the birds up to the close of the last century was reflected in the works of these two famous French authors.

In 1788, the industrious but indiscriminate and incompetent compiler of the xiii. ed. of the *Syst. Nat.* produced a total of 65 species of *Trochilus*. None were described except at second-hand, but to many of them binomial names were first affixed. Two years afterward 65 species of *Trochilus* were recorded in the *Ind. Orn.* of Latham.<sup>†</sup>

We are thus brought, by the stepping-stones, of but few works requiring special mention here, to the opening of the xix. century, which saw Audubon and Vieillot's luxurious work, *Ois. Dorés*; perhaps the first ornithological work which undertook to reproduce metallic reflections of plumage. The feathery Iris of these exquisite creatures is always fascinating, and there are no more favorable subjects for glittering plates. The work, indeed, was not exclusively a monograph of the Hummers,

<sup>†</sup> By a clerical error, and my own oversight, this paper stands accredited to Dr. Grew. Winthrop's earlier (1671) paper in the same *Trans.* does not relate exclusively to the Hummingbird.

<sup>‡</sup> The viii. vol., 1812, of Shaw's *Gen. Zool.*, gave 70 species of *Trochilus*.

but the *Histoire Naturelle des Colibris et des Oiseaux-mouches* formed a large part of the undertaking. Scientific names were not used in the *Ois. Dor.*; but a technical nomenclature of the subjects of the work was furnished by Vieillot in 1817.

The first great illustrated work on Hummers exclusively was Lesson's, published in parts, from 1829 to 1832, the parts being afterward grouped in three separately titled volumes. This author described and figured in colors upward of 100 (about 110) species, many of which were actually new, and to many more of which new names were given. A very few genera, additional to or in place of Brisson's, had meanwhile been proposed; but Lesson was the first to introduce any considerable number of new generic names. Many of those, however, which Gray and others have since cited as generic, were certainly not used or intended as such by Lesson, being simply vernacular designations of certain "tribes" and "races" among which he distributed the *Trochilidæ*: such words as "Bleuets" and "Queues étroites", for example. French authors were (and I think many of them still are) such sinners in spelling, that it is not always easy to say what words of theirs they would have us take as technical. Possessing a copious and voluble vocabulary, largely supplemented by gesture-speech, or shrug-language, and violating in their articulation the usual powers of written characters, they not only acquired a trick of Gallicizing technical words, but they also cultivated a characteristic habit of rising superior to orthography. If Vieillot could write *Cripsirina* for *Cryptorhina* without flinching, we need not wonder that Lesson invented *Ornismya*, which he defended as against *Ornithomyia*, or that some of his successors reached the height of *Ornysmia*!

The Hummers have always been objects of study peculiarly agreeable to French ornithologists. Their daintiness, so to speak, seems to suit the national genius. French literature, therefore, figures in the written history of these birds to an extent greater than that observable in any other family of birds. About the time we have reached, however, several English names became prominent in the present connection; as those of Swainson, Vigors, Loddiges, and especially Jardine—for Gould had not then begun the work which was afterward to identify his name with Trochilidæ literature. Swainson had already classified the Hummers as a part of his general scheme, describing some new species and establishing certain genera. In 1833, and thus upon the heels of Lesson's memoirs, Sir William Jardine prepared his monography, to the valuable and agreeable text of which Lizars contributed beautiful illustrations. The home of the Hummers was heard from the same year in La Llave's *Memoiria*; and Schreibers's *Collectanea* of same date consisted only of these birds. From this time until the beginning of Gould's great work in 1849 appeared no monographic treatise on *Trochilidæ*. But the period was one of great activity, among both English and French writers: the accumulation of material was rapid and incessant, and many papers of these years described new genera and species, though too often hastily and inadequately. In England, Gould and Fraser were busy with their materials. In France, the writings of Lesson continued; Bourcier became prominent in the number of his papers; while Boissonneau, De Latre, Gervais, Longuemare and others made their respective contributions. This was the period of accumulation rather than of elaboration; numberless new names were introduced, but among them were many synonyms, both generic and specific; little or no systematic revision of the subject being effected, unless Gould's *Draft Arrangement*, the precursor of his *Monograph*, be considered of such character.

The thirteen years, 1849-61, during which Gould's work was pending, marked the next period in the history of the subject. The preparation of this great work held its author, already recognized as the leading Trochilidist, to his subject; and the appearance of successive parts served as a continual stimulus to others to move in the same direction. The author published many papers describing cursorily new objects about to be depicted in his magnificent folios; and several French ornithologists, notably Bourcier and Mulsant, were little behind him in this respect. The period was also marked by the appearance in England of Martin's *General History*, in some sense a continuation of Jardine's work. It was furthermore characterized by the malignant epidemic which we may call the genus-itch; which broke out simultaneously in 1849, from two foci of contagion, in France and in Germany, and proved disastrous in the extreme. The infection reappeared in an aggravated form in 1854, and Trochilidæ literature has never entirely recovered from its effect.

Many genera of Hummers, notably Swainson's, Lesson's, and Gould's, had been found acceptable, and, indeed, necessary; but the most embarrassing results attended the steps of some authors who coined names on the glancing of a feather in this beautiful group of birds. As just stated, serious difficulty began in 1849, in those parts of Bonaparte's *Conspectus* and of Reichenbach's *Systema* which treat of *Trochilidæ*; and in 1854 each of these authors increased it immeasurably, the one in his *Tableau*, the other in his *Aufzählung*. But I have on previous pages sufficiently commented upon this matter.

The completion of Gould's splendid monument closed this period of accumulation. The subject had grown rapidly, and had become unmanageable. Some authors had simply amused themselves in "playing chess" with the names of Hummers, and many had pressed forward with new species upon insufficient examination of known material, or inadequate regard for what others had published. The fog of synonymy had completely enveloped the subject. It was hazardous to enter it, and it seemed almost hopeless to attempt to lift it. The *Monograph* represented, therefore, rather a broad and secure basis for future investigation than any final accomplishment. It gave a series of 360 colored plates of about as many species, real or nominal, with accompanying descriptive letter-press; other species added in the *Introduction* raising the total to 416, referred to 123 genera. But many new names, generic and specific, were still to see the light; many others were to sink into synonymy; the nomenclature was

till shifting: in short, studious and judicious systematic revision of the whole subject was imperatively demanded. If Gould's work made this necessity apparent, it also immeasurably contributed to the desired result.

Previous to this Gouldian period American writers did next to nothing for the special literature of the family: but during this time, and subsequently, many new species were described by Lawrence. In 1860, and therefore just before the period closed, Germany brought a fascicle of the *Museum Heineanum* to bear upon the subject, many new genera, and some new species being described by Cabanis and Heine. In 1863, the *Trochilidica* of the last-named author appeared in the *J. f. O.*, with a similar result. In 1866, MM. Mulsant and Verreaux's *Essai d'une Classification Méthodique* appeared as the precursor of a more elaborate work then contemplated, containing fresh accessions to the number of genera with which the family was destined to be burdened, and a rearrangement of the whole group. This decade, 1861-70, saw also a fair number of minor papers, calling, however, for no special remark here. It represented flood-tide in the mere describing of species, and their rearrangement in futile genera: the ebb necessarily followed.

The state of the case at that moment was faithfully reflected in Gray's *Handlist*. This catalogued 469 species, real or nominal, distributed in 163 genera or subgenera, and carrying a load of synonymy amounting in the aggregate to perhaps 800 specific and 300 generic names. This, it will be remembered, is irrespective of the endless combinations of generic and specific names, which, were they counted, might represent a total of several thousand binomial names which have been imposed upon a family of birds consisting of few more than 400 known species, conveniently referable to about one-fourth as many modern genera!

Such a state of things as this inevitably tended toward a healthy reaction; and during the last decade, the accessions of new names have been fairly offset by the reduction of others to synonyms. It is true that the *Histoire Naturelle des Oiseaux-Mouches* of MM. Mulsant and Verreaux, and M. Mulsant's *Catalogue*—these being among the most notable publications of this period—can scarcely be regarded as tending in this direction, viewing the many additional new names which they present. Having seen neither of these treatises, I cannot judge of their claims to be considered as advancing or improving the science. But it cannot be doubted that the patient and faithful study which Messrs. D. G. Elliot and O. Salvin have of late applied to the amelioration of Trochilidina affairs has done much toward the needed reform. These skilful ornithologists have published numerous papers reviewing different groups of Hummers, under the most advantageous circumstances as regards handling material and examining literature; and their criticisms have been of the greatest service, not only in defining genera and species, but in sifting synonymy and settling nomenclature. Mr. Elliot's labors have borne their final fruit in his *Classification and Synopsis of the Trochilidae*. However qualified a success the experts may conclude this performance to be, it is certainly a great boon to the working ornithologist, and a faithful reflection of the present state of our knowledge respecting the exquisite creatures to the elucidation of whose history it is devoted.

With this rapid glance at the origin, progress, and present state of Trochilidina literature, I pass to an alphabetical Index of the Genera of Trochilidae, the preparation of which has given me no little trouble. I shall not regret the drudgery, however, if the list of names shall seem to bear out and justify the remarks in which I have indulged on this point, and be of any practical use to the working ornithologist. I have taken great pains to make the list complete and accurate, having personally made or verified very nearly every reference, excepting those of Mulsant and Verreaux's *Histoire Naturelle*, and Mulsant's *Catalogue*.

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- Abeillia** BR., 1849: *Consp. Av.*, p. 79 (in text).  
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**Aglaeactis** GOULD, 1848: *P. Z. S.*, p. 12. [p. 69.  
**Aglataetis** CAB. and HEIN., 1860: *Mus. Hein.*, iii.  
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**Aspasta** HEIN., 1863: *J. f. O.*, p. 179. [1877, p. —.  
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**Auguste** MÜLS. and VERR., 1866.



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**Eutidia Muls.**, 1877: *Hist. Nat.*, iv, p. 114  
**Eupetomena GOULD**, 1853: *Monog.*, pt. vi  
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- Galenia** Muls. and Verr., 1866: *Class. Troch.*, p. 47.  
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- Italia** Muls. and Verr., 1866: *Class. Troch.*, p. 61.  
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**Marsyas** Muls., 1875: *Cat. O.-M.*, p. 13.  
**Mellisuga** Buss., 1760: *Orn.*, iii, p. 694.  
**Mellisuga** Boie, 1831: *Isis*, p. 545.  
**Mellisuga** Gray, "1841."  
**Mellisuga** Gray, 1848: *G. of B.*, i, p. 112.  
**Mellisuga**, Muls. and Verr., 1866.  
**Merion** Muls., 1875: *Hist. Nat.*, ii, p. 92.  
**Mesophila** Muls. and Verr., 1866: *Class. Troch.*,  
**Metallura** Gould, 1847: *P. Z. S.*, p. 94. [p. 17.]  
**Metallura** Bp., 1854, nec Gould.  
**Methon** Muls., 1875: *Cat. O.-M.*, p. 7.  
**Microchera** Gould, 1861: *Introd.*, svo, p. 82.  
**Milornis** Muls., 1873: *Hist. Nat.*, i, p. 77.  
**Momus** Muls. and Verr., 1866: *Class. Troch.*, p. 19.  
**Mosqueria** "Reich.", Bp., 1854: *Ann. Sci. Nat.*,  
**Mulsantia** Reich., 1854: *Aufz. Col.*, p. 12. [p. 137.]  
**Myiabeillia** Bp., 1854: *R. M. Z.*, p. 253.  
**Myiabeillia** "Sol."  
**Myiactina** Bp., 1854: *R. M. Z.*, p. 249.  
**Myiornis** Agass. (emend. from *Ornismya*).  
**Myletes** Muls., 1873: *Hist. Nat.*, i, p. 284.  
**Myrmia** Muls., 1875: *Cat. O.-M.*, p. 32.  
**Myrtis** Cab. and Hein., 1860: *Mus. Hein.*, iii, p. 59.  
**Myrtis** Reich., 1854: *Aufz. Col.*, p. 13.  
**Mythinia** Muls., 1876: *Hist. Nat. O.-M.*, iii, p. 235.

*Myiinia* Muls., 1875: *Cat. Ois.-Mouch.*, p. 28.

*Nania* Muls., 1875: *Cat. O.-M.*, p. 21.

*Niche* Muls., 1875: *Cat. O.-M.*, p. 21.

*Nodalia* Muls., 1875: *Cat. O.-M.*, p. 23.

*Oereatus* Gould, 1846: *P. Z. S.*, p. 86. [p. 76.]

*Opisthoprora* Cab. and Hein., 1860: *Mus. Hein.*, iii,

*Oreonympha* Gould, 1869: *P. Z. S.*, p. 295.

*Oreopyra* Gould, 1860: *P. Z. S.*, p. 312.

*Oreotrochilus* Gould, 1847: *P. Z. S.*, p. 10.

*Orlotochilus* Reich., 1849. [p. 91.]

*Ornismya* Muls. and Verr., 1866: *Class. Troch.*,

*Ornismya* Less., 1829: *Tabl. O.-M.*, p. x.

*Ornismyia* of some.

*Ornithomyia* Bp., 1854: *R. M. Z.*, p. 251.

*Ornithomya* Less., 1832.

*Ornismyia* of some Frenchmen. [p. 15.]

*Orotrochilus* Cab. and Hein., 1860: *Mus. Hein.*, iii,

*Orthorhynchus* Cuv., "1799-1800."

*Orthorhynchus* Ill., 1811: *Prod.*, p. 209.

*Orthorhynchus* Burm., 1856: *Thier. Bras.*

*Orthornis* Bp., 1854: *R. M. Z.*, p. 249.

*Osalia* Muls. and Verr., 1866: *Class. Troch.*, p. 92.

*Oxygogon* Gould, 1848: *P. Z. S.*, p. 14.

*Pampa* Reich., 1854: *Aufz. Col.*, p. 11.

*Panoplites* Gould, 1854: *Monog.*, pt. viii, October.

*Panichlora* Muls. and Verr. [p. 43.]

*Pantherpe* Cab. and Hein., 1860: *Mus. Hein.*, iii,

*Panychlora* Cab. and Hein., 1860: *Mus. Hein.*, iii,

p. 49.

*Paphosia* Muls. and Verr., 1866: *Class. Troch.*,

*Parzudakia* Reich., 1854: *Aufz. Col.*, p. 12. [p. 75.]

*Patagona* Gray, 1840: *List G. of B.*, p. 18.

*Patagons* Less., 1832: *Ind. Gén.*, p. —.

*Peratus* Muls., 1875: *Cat. O.-M.*, p. 23.

*Petasophora* Gray, 1840: *List G. of B.*, p. 13.

*Petasophorus* Muls. and Verr., 1866.

*Phaeochroa* Gould, 1861: *Introd.*, 8vo, p. 55.

*Phaeolama* Bp., 1854.

*Phaeoptila* Gould, 1861: *Introd.*, p. 169.

*Phaethornis* Sw., 1831: *Fa. Bor.-Am.*, ii, p. 322.

*Phaethornis* Bp., 1849: *Consp. Ar.*, p. 67.

*Phaethornis* Gray, 1848.

*Phaetolaima* Reich., 1854: *Aufz. Col.*, p. 9.

*Phemonoe* Reich., 1854: *Aufz. Col.*, p. 9.

*Phaethornis* Sw., 1827: *Zool. Journ.*, p. 357.

*Phaethornis* Less., 1832: *Ind. Gén. Troch.*, p. xiv.

*Phaethornis* Tschudi, 1844: *Consp.*, p. 37. [p. 86.]

*Philodice* Muls. and Verr., 1866: *Class. Troch.*,

*Philophilus* Gould, 1860: *P. Z. S.*, p. 310.

*Pholoe* Muls., 1875: *Cat. O.-M.*, p. 22.

*Phretornis* Boie, 1831: *Isis*, p. 548.

*Pilonia* Muls., 1876: *Hist. Nat.*, iii, p. 4.

*Piacophorus* Muls., 1873: *Hist. Nat.*, i, p. 137.

*Platurus* Less., 1829: *Tabl. O.-M.*, p. xxi.

*Platystiopterus* Reich., 1854: *Aufz. Col.*, p. 11.

*Polemistria* Cab. and Hein., 1860: *Mus. Hein.*, iii,

*Polyana* Hein., 1863: *J. f. O.*, p. 215. [p. 63.]

*Polyerata* Hein., 1863: *J. f. O.*, p. 194.

*Polyunia* Muls. and Verr., 1866: *Class. Troch.*,

*Polyonymus* Hein., 1863: *J. f. O.*, p. 206. [p. 91.]

*Polyplaneta* Hein., 1863: *J. f. O.*, p. 182.

*Polythmus* Less., 1832: *Ind. Gén. Troch.*, p. xvi.

*Polythmus* Less., 1832: *Ind. Gén.*, p. xvi.

*Polytmus* Vieill., 1807.

*Polytmus* Gray, 1849: *List G. of B.*, p. —.

*Polytmus* Reich., 1849: *Syst. Ar.*, pl. xxxix.

*Polytmus* Briss., 1760: *Orn.*, iii, p. 666. [p. 123.]

*Polyxenus* Muls., 1877: *Hist. Nat. O.-M.*, iv,

*Popelairia* Reich., 1854: *Aufz. Col.*, p. 12.

*Prasites* Gray: *Ubi?*

*Prasitis* Cab. and Hein., 1860: *Mus. Hein.*, iii, p. 49.

*Praxilla* Reich., 1854: *Aufz. Col.*, p. 13.

*Prognornis* Reich., 1854: *Aufz. Col.*, p. 11.

*Prymnacantha* Cab. and Hein., 1860: *Mus. Hein.*,

iii, p. 64.

*Psaldoprymna* Cab. and Hein., 1860: *Mus. Hein.*,

*Pterophanes* Gould, 1849: *Monog.*, pt. i. [iii, p. 72.]

*Ptochoptera* Elliot, 1874: *Ibis*, p. 261.

*Ptyonornis* Reich., 1854: *Aufz. Col.*, p. 14.

*Pygmornis* Bp., 1854: *R. M. Z.*, p. 250.

*Pygmornis* Muls. and Verr., 1866: *Class. Troch.*, p. 18.

*Pyrrhophena* Cab. and Hein., 1860: *Mus. Hein.*,

iii, p. 35.

*Queues-etroltes* Less., 1832: *Ind. Gén.*, p. xxxi.

*Ramphodon* Less., 1830: *Hist. Nat. Col.*, p. 18.

*Ramphomicron* Bp., 1849: *Consp. Ar.*, p. 79.

*Ramphodon* Less.

*Ramphomicron* Auct. [iii, p. 70.]

*Ramphomicrus* Cab. and Hein., 1860: *Mus. Hein.*

*Rhodops* Reich., 1854: *Aufz. Col.*, p. 12.

*Riccordia* Reich., 1854: *Aufz. Col.*, p. 10.

*Rubis* Less., 1832: *Ind. Gén.*, p. —.

*Sæpiopterus* Reich., 1854: *Aufz. Col.*, p. 11.

*Saphos* Less., 1832: *Ind. Gén.*, p. —.

*Sapphironia* Bp., 1854: *R. M. Z.*, p. 256.

*Sapphironia* "Gould, 1861."

*Sapphironia* Bp., 1854: *R. M. Z.*, p. 256.

*Saphirs* Less., 1832: *Ind. Gén.*, p. —.

*Sappho* Reich., 1849: *Syst. Ar.*, pl. xl.

*Saturia* Muls., 1875: *Cat. O.-M.*, p. 21.

*Saucerottia* Bp., 1849: *Consp. Ar.*, p. 77.

*Schistes* Gould, 1851: *Jard. Cont. Orn.*, p. 140.

*Selasphorus* Reich., 1855: *Troch. Enum.*, p. 11.

*Selasphorus* Sw., 1831: *Fa. Bor.-Am.*, ii, p. 496.

*Selosphorus* Bp., 1849: *Consp. Ar.*, p. 82.

*Séphaniodes* Less., 1832: *Ind. Gén.*, p. xxix.

*Sephanoides* Bp., 1849: *Consp. Ar.*, p. 82.

*Sericotes* Reich., 1854: *Aufz. Col.*, p. 11.

*Smaragdites* Less., 1832: *Ind. Gén.*, p. xxix.

*Smaragdites* Muls. and Verr., 1866.

*Smaragdites* Boie, 1831: *Isis*, p. 547.

*Smaragdites* Reich., 1849: *Syst. Ar.*, pl. xl.

*Smaragdites* Boie, 1831: *Isis*, p. 547.

*Smaragdites* Reich., 1854: *Aufz. Col.*, p. 7.

*Smaragdochrysis* Gould, 1861: *Introd.*, 8vo, p. 161.

*Sparganura* Cab. and Hein., 1860: *Mus. Hein.*, iii,

*Spathura* Gould, 1849: *Monog.*, pt. i. [p. 52.]

*Sphenoproctus* Cab. and Hein., 1860: *Mus. Hein.*,

iii, p. 11.

*Sporadicus* Cab. and Hein., 1860: *Mus. Hein.*, iii.

*Sporadinus* Bp., 1854: *R. M. Z.*, p. 255.

*Stegannura* Reich., 1854: *Aufz. Col.*, p. 8.

*Stegannurus* Reich., 1849: *Syst. Ar.*, pl. xl.

*Stellula* Gould, 1861: *Introd.*, 8vo, p. 90.

*Stellura* Muls. and Verr., 1866: *Class. Troch.*, p. 88.

*Sternoclyta* Gould, 1858: *Monog.*, pt. xvi.

*Stokæstella* Bp., "1854."

*Stokosiella* Bp., 1854: "Ann. Sci. Nat.", p. 138."

- Streblorhamphus**, CAB. and HEIN., 1860: *Mus.*  
**Strophilegmus** GOULD, "1853". [*Hein.*, iii, p. 76.]
- Telaon** MULS. and VERR., 1866: *Class. Troch.*,  
**Teliaphorus** MULS., 1874: *Hist. Nat.*, i, p. 257. [p. 75.]  
**Telesiella** REICH., 1854: *Aufz. Col.*, p. 13.  
**Telesilla** CAB. and HEIN., 1860: *Mus. Hein.*, p. 27.  
**Thalucania** BOURC., 1856.  
**Thalurania** GOULD, 1848: *P. Z. S.*, p. 13.  
**Thaluronina** GRAY, 1849.  
**Thaumantias** BP., 1854: *R. M. Z.*, p. 255.  
**Thaumasius** SCLAT., 1879: *P. Z. S.*, p. 145.  
**Thaumaste** REICH., 1854: *Aufz. Col.*, p. 14.  
**Thaumastura** BP., 1849: *Consp. Av.*, p. 85. [1849.]  
**Thaumastura** BP., 1850: *Compt. Rend.*, p. 383, nec  
**Thaumantias** BP., 1850: *Compt. Rend.*, xxx, p. 382.  
**Thaumafias** BP., 1849: *Consp. Av.*, p. 78.  
**Thaumafias** GOULD, 1861: *Introd.*, 8vo, p. 151.  
**Thaumatessa** HEIN., 1863: *J. f. O.*, p. 209.  
**Tholucania** HARTL., 1857: *Arch. f. Nat.*, p. 49.  
**Threutes**, GOULD, 1853: *Monog.*, pt. iv.
- Threptria** REICH., 1854: *Aufz. Col.*, p. 9.  
**Tilmatura** REICH., 1854: *Aufz. Col.*, p. 8.  
**Timolia** MULS., 1875: *Cat. O.-M.*, p. 23.  
**Topaza** GRAY, 1840: *List G. of B.*, p. 13.  
**Topazes** LESS., 1832: *Ind. Gén.*, p. —.  
**Toxofeuches** CAB. and HEIN., 1860: *Mus. Hein.*, iii,  
**Trichiofopa** HEIN., 1863: *J. f. O.*, p. 209. [p. 11.]  
**Trochilus** LESS., 1766: *S. N.*, i, p. 189.  
**Tryphæna** GOULD, 1849: *Monog.*, pt. i.
- Ulysses** MULS., 1875: *Cat. O.-M.*, p. 12.  
**Uralia** MULS. and VERR., 1866: *Class. Troch.*, p. 81.  
**Urania** "FITZ." (*vide* GRAY).  
**Uranomitra** REICH., 1854: *Aufz. Col.*, p. 10.  
**Urochroa** GOULD, 1856: *Monog.*, pt. xii.  
**Urolampra** CAB. and HEIN., 1860: *Mus. Hein.*, iii,  
**Urosticte** GOULD, 1853: *Monog.*, pt. vi. [p. 68.]
- Vestipes** LESS., 1832: *Ind. Gén.*, p. —.
- Zephyritis** MULS. and VERR., 1866: *Class. Troch.*,  
**Zodalla** MULS., 1876: *Hist. Nat.*, iii, p. 281. [p. 87.]

## Cypselidæ.

1793. BRUYN, S. J. A Letter on the Retreat of Swallows [*Chaetura pelagica*], and the Torpid State of certain Animals, in Winter. < *Mem. Amer. Acad. Arts and Sci.*, ii, 1793, pp. 96-99.

This is the earliest notice I have seen of the now well-known fact that immense collections of the bones, feathers, and excrement of Swifts are occasionally found in hollow trees to which the birds have been wont to resort by thousands for a series of years. A late anonymous writer (very well known to me, however,) in the *N. Y. Independent* of Oct. 7, 1875, has a paragraph on the subject, in which he seems inclined to believe that our Chimney Swift may not impossibly hibernate in such retreats. See also 1853, THOMPSON, Z.

1817. S. B. D. To the editors of the American Monthly Magazine. < *Am. Month. Mag.*, ii, 1817, p. 32.

On the débris of *Chaetura pelagica* in hollow trees.

1817. WOOD, J. [On the débris of *Chaetura pelagica* in hollow trees.] < *Am. Month. Mag.*, i, 1817, p. 292.

1826. JENNER, —. Annual return of migrating Birds to the same spot. < *Sillim. Am. Journ. Sci.*, x, 1826, p. 192.

From *Brewster's Journal*.

1839. TOWNSEND, J. K. Description of a New Species of *Cypselus* [*Cypselus vauuxii*] from the Columbia River. < *Journ. Acad. Nat. Sci. Phila.*, viii, 1839, p. 14.

Citators of this bird's name may observe that Townsend did not call it *Cypselus vauuxii*.

1841. JOHNSON, H. *Chaetura ruficollis* [n. sp.]: Cayenne. < *Ann. Mag. Nat. Hist.*, vii, 1841, p. 351.

1845. BRYDGES, H. J. J. Description of a supposed new Swift. < *Zoologist*, iii, 1845, p. 939.

From Jamaica. Not named.

1848. STREUBEL, A. B. Die Cypseliden des Berliner Museums. < *Oken's Isis*, Bd. xli, 1848, pp. 348-373.

Monographisch bearbeitet.—*C. parvus* (Licht.), p. 351; *C. caffer* (Licht.), p. 352; *C. abessynicus*, p. 354, sp. n. *Pseudoprogne*, g. n., p. 357. *Hemiprogne torquata*, p. 342, sp. n.; *H. temminckii*, p. 368, sp. n.; *H. fuscigatus*, Natt. MS., sp. n., p. 366. *Cypseloides*, g. n., p. 366. *Salangana*, g. n., p. 368; *Chelidonia*, g. n., p. 370; *Hemiprogne fucivora*, p. 369.

1853. THOMPSON, Z. [Remarks on exhibition of a mass of débris of *Chaetura pelagica* from interior of a "Swallow tree" in Vermont.] < *Proc. Boston Soc. Nat. Hist.*, iv, 1853, p. 299.

1857. KENNERLY, C. B. R. Description of a new Species of *Cypselus* [*C. borealis*] collected on the North Western Boundary Survey, Archibald Campbell, Esq., Commissioner. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1857, pp. 202, 203.

1863. SALVIN, O. [*Panyptila sancti jerome*, sp. n.] < *Ibis*, v, 1863, p. 239.

Cf. *Panyptila sancti hieronymi*, *P. Z. S.*, 1863, p. 190, pl. 23.

1863. SCLATER, P. L. On the American Spine-tailed Swifts of the Genus *Chaetura*. < *P. Z. S.*, xxvi, 1863, pp. 98-102, pl. xiv, fig. 1.

Synonymatic and diagnostic synopsis, with criticism, of 8 spp. *C. cinireiventris* is figured.

1865. SCLATER, P. L. Notes on the genera and species of Cypselidæ. < *P. Z. S.*, 1865, pp. 593-617, figg. 1-10, pll. xxxiii, xxxiv.

This notable article opens with an account of the structure of the sternum and digits in various species of the family, illustrated with ten figures. The family is divided into two subfamilies, *Cypselinæ* and *Chaeturinæ*, the former having the tarsi feathered, and the ratio of the phalanges abnormal; the latter with the opposite of these characters. The species of *Cypselinæ* are all referred to the two genera *Cypselus* and *Ianyptila*, the latter exclusively American. The *Chaeturinæ* are divided into four genera, *Chaetura*, *Cypseloides*, *Collocalia*,

*Bull.* v, 4—12

## 1865. SCLATER, P. L.—Continued.

and *Dendrochelidon*. Forty-eight species, two of them new, are reviewed, with synonymy, diagnosis, habitat, and criticism, as follows:—

CYPSELINÆ. I. *Cypselus*. A. Old World. a. Fork-tailed. 1. *C. melba*. 2. *C. æquatorialis*. 3. *C. apus*. 4. *C. pacificus*. 5. *C. leuconyx*. 6. *C. unicolor*. 7. *C. caffer*. 8. *C. parvus*. 9. *C. batassiensis*. 10. *C. infumatus*, sp. n., p. 602, Borneo. b. Even-tailed. 11. *C. subfurcatus*. 12. *C. affinis*. B. New World (*Tachornis*). 13. *C. phænicobius*. 14. *C. squamatus* (pl. 33). 15. *C. andicola*. 16. *C. montivagus*. II. *Panyptila*. 1. *P. cayanensis*. 2. *P. sancti-hieronymi*. 3. *P. melanoleuca*. CHÆTURINÆ. III. *Chætura*. A. Majores. a. Asiatic (*Hirundinapus*). 1. *C. caudacuta*. 2. *C. gigantea*. b. American (*Hemiprocne*). 3. *C. semicollaris*. 4. *C. biscutata*, sp. n., p. 609, pl. 34 (e Natt. MS., Brazil). 5. *C. zonoris*. B. Minores. a. American. 6. *C. pelagica*. 7. *C. rauxii*. 8. *C. poliura*. 9. *C. cinereiventris*. 10. *C. spinicauda*. 11. *C. rutila*. b. African. 12. *C. sabini*. 13. *C. cassini*. c. Asiatic. 14. *C. sylvatica*. 15. *C. coracina*. IV. *Cypseloides*. 1. *C. senex*. 2. *C. fumigatus*. 3. *C. niger*. 4. *C. borealis*. V. *Collocalia*: merely a list of 6 spp., after Wallace. VI. *Dendrochelidon*. 1. *D. mystacea*. 2. *D. wallacii*. 3. *D. klecho*. 4. *D. coronata*. 5. *D. comata*.

1865. SCLATER, P. L. [Letter relating to various Cypselidæ.] < *Ibis*, 2d ser., i, 1865, pp. 234, 235.

1867. SCLATER, P. L. Bemerkungen über die Genera und Species der Cypseliden. Aus den „Proceedings of the Zoological Society of London, June 27, 1865“ übersetzt. < *J. f. O.*, xv, 1867, pp. 112–141.

1869. FOWLER, A. The Chimney Swallow [*Chætura pelagica*]. < *Am. Nat.*, iii, 1869, pp. c–13.

Account of its habits.

1873. SEARS, J. H. Chimney Swallow [*Chætura pelagica*]; Change in Place of Nesting. < *Am. Nat.*, vii, 1873, pp. 751, 752.

1874. MERRIAM, C. H. The Chimney Swift [*Chætura pelagica*]; Change in Place of Nesting. < *Am. Nat.*, viii, 1874, pp. 367, 368.

1874. SALVIN, O. [On the breeding of *Panyptila sancti-hieronymi* at San Geronimo, Guatemala; etc.] < *Ibis*, 3d ser., iv, Apr., 1874, p. 188.

Not seen.

1875. ANON. [On the possible hybernation of *Chætura pelagica* in hollow trees.] < *N. Y. Independent*, Oct. 7, 1875.

1877. GRAY, A. F. Chimney Swallow. Chimney Swift. *Chætura pelagica*.—Baird. < *Forest and Stream*, ix, Nov. 8, 1877, p. 215.

1878. [FITCH, E. H.] The Swifts [Cypselidæ]. *Journ. of Sci.* (Toledo, Ohio), n. s., i, No. 1, Apr., 1878, cut.

Characters of two subfamilies, *Cypselinæ* and *Chæturinæ*; figure of *Panyptila saxatilis*.

1878. LAWRENCE, G. N. Description of a New Species of Cypselidæ, of the Genus *Chætura* [dominicana]. < *Ann. New York Acad. Sci.*, i, No. 8, 1878, pp. 255, 256. (Read Nov. 11, 1877.)

1879. ANON. Nest of the Chimney Swift (*Chætura pelagica*). < *The Oölogist*, v, No. 2, Aug., 1879, pp. 9, 10, cut.

Very good original observations, illustrated with a figure of the nest and eggs.

1879. MERRIAM, [C. H.] How the Chimney Swallows [*Chætura pelagica*] did Congregate. < *The Oölogist*, v, No. 1, July, 1879, pp. 6, 7.

Quoted from his "Review of the Birds of Connecticut" in *Trans. Conn. Acad.*, iv, 1877, p. 50.

## Caprimulgidæ.

1817. HUMBOLDT, A. V. Sur le *Steatornis* [caripensis], nouveau genre d'Oiseau nocturne. < *Bull. Sci. Soc. Philom.*, 1817, pp. 51, 52.  
Pas vu moi-même—le titre tiré de Carus et Engelmann.
1818. HUMBOLDT, A. V. [Ueber einen Nachtvogel Guacharo genannt (d. h., *Steatornis caripensis*).] < *Oken's Isis*, Jahrg. ii, 1818, p. 411.  
Aus d. *Verh. Acad. Wiss. Paris*, 1817.
1831. SW[AINSON, W.] The pectinated Claw of the Goatsucker. < *Loudon's Mag. Nat. Hist.*, iv, 1831, pp. 275, 176.  
Smiles at the simplicity of J. Rennie in supposing the comb useful in removing insect parasites.
1831. ANON. The Night Hawk [*Chordeiles virginianus*]. < *D. J. Browne's The Naturalist*, i, No. x, Oct., 1831, pp. 301-309.  
Chiefly compiled from Wilson. The article continues with a similar notice of the Whip-poorwill, *Antrostomus vociferus*.
1831. ANON. The Whip-poor-will [*Antrostomus vociferus*] and Night Hawk [*Chordeiles virginianus*]. < *D. J. Browne's The Naturalist*, i, No. xi, Nov., 1831, pp. 334, 335.  
Determining that these are really two distinct species.
1832. WATERTON, C. Answer to the Question at p. 603 [tom. cit.] on the Nightjar's [Caprimulgus europæus] transporting its Eggs, as suggested by Audubon's declaration of the Carolina Goatsucker's [*Antrostomus carolinensis*] so doing. < *Loudon's Mag. Nat. Hist.*, v, 1832, pp. 726, 727.
1834. L'HERMINIER, [F.] Mémoire sur le Guacharo (*Steatornis caripensis* (Humboldt)). < *Nouv. Ann. du Mus. d'Hist. Nat.*, iii, 1834, pp. 321-331, pl. 15.  
Planche coloriée, in-fol., grossenr nat.—Rapport: *L'Inst.*, ii, 1834, No. 74, p. 330.
1834. MATHEWS, A. Information on the Habits of a Species of Caprimulgus (or of some closely allied Genus) which inhabits the Neighbourhood of Lima. < *Loudon's Mag. Nat. Hist.*, vii, 1834, pp. 633, 634. With Note by the Editor, pp. 634-637.
1835. DON, D. The Species of Caprimulgus which inhabits the Neighbourhood of Lima, noticed by Mr. Matthews in [op. cit.] VII. 633., and technically described in 635., is, doubtless, the *C. americanus* of Wilson's "American Ornithology," vol. V. t. 40. fig. 1. < *Loudon's Mag. Nat. Hist.*, viii, 1835, p. 470.  
Which it doubtless is not.
1836. L'HERMINIER, [F.] Note additionnelle au mémoire sur le Guacharo de la caverne de Caripe (*Steatornis Caripensis* Humb.) < *Compt. Rend. de l'Acad. Sci.*, ii, 1836, pp. 67-71.
1836. L'HERMINIER, F. Note sur le Guacharo de la caverne de Caripe (*Steatornis caripensis* Humb.). < *Ann. Sci. Nat.*, 2<sup>e</sup> sér., Zool., vi, pp. 60-64.  
Not seen—this vol. missing from the set of the *Ann.* handled. Paper said to be also in *For. Nat.*, Bd. I, No. 1082, 1836, pp. 49-51.
1836. ROULIN, —. Existence du guacharo [*Steatornis caripensis*] dans la province de Bogota. < *Compt. Rend. de l'Acad. Sci.*, ii, 1836, pp. 94-96.  
Extraite d'une lettre. (*L'Inst.*, iv, No. 168, 1836, pp. 241, 242; *Ann. Sci. Nat.*, 2<sup>e</sup> sér., vi, 1836, pp. 115-117.)
1838. GOULD, J. Icones Avium, | or | Figures and Descriptions | of | new and interesting Species of Birds | from various parts of the World. | By | John Gould, F. L. S., &c. | Forming | a supplement | to his previous works. — | Part II. | — | Monograph of the Caprimulgidæ, | Part I. | [Contents.] | London: | printed by Richard and John E. Taylor, Red Lion Court, Fleet Street. | Pub-

## 1838. GOULD, J.—Continued.

lished by the author, 20, Broad Street, Golden Square. | August, 1838. folio, 8 plates, unnumbered, each with a sheet of letterpress, unpagcd.

Part I contained 10 plates of miscellaneous birds. The present Part begins a monograph which was abandoned. Only these two parts of "Icones Avium" appeared.

This beginning of a monograph of the *Caprimulgide* contains: 1. *Amblypterus anomalus*. 2. *Nyctidromus derbianus*. 3. *Semeiophorus (Macrodipteryx?) vexillarius*. 4. *Lyncornis cerviniceps*. 5. *Lyncornis macrotis*. 6. *Lyncornis temminckii*. 7. *Batrachostomus* (Gould, g. n. f) *auritus*. 8. *Nyctibius pectoralis*.

1838. SAINT-VINCENT, BORY DE. Sur l'existence du Guacharo (*Steatornis* [caripensis]), à l'île de la Trinité. < *Compt. Rend. de l'Acad. Sci.*, vii, 1838, pp. 474-478.

D'après une lettre de M. Hautessier. Avec des renseignements sur les mœurs de l'oiseau.

1839. HAUTESSIER, ST. CYR. Notice historique sur l'existence du Guacharo [*Steatornis caripensis*] qui a été découvert dans les cavernes des Bouches à la Trinidad. < *Actes Soc. Linn. Bordeaux*, xi, 1839, pp. 98—.

Pas vue moi-même—le titre tiré de Giebel.

1839. HAUTESSIER, [ST. CYR.] [Ueber *Steatornis caripensis*, mit Nest und Eyern, aus Trinidad.] < *Oken's Isis*, Bd. xxxii, 1839, pp. 382, 383.

*L'Institut*, Nr. 249, 1838, p. 326.

1842. LAFRESNAYE, [F. DE.] Ueber die Caprimulgiden. < *Oken's Isis*, Bd. xxxv, 1842, p. 219.

*Mag. de Zool.*, Bd. iii, 1837.

1842. MUELLER, J. Anatomische Bemerkungen über den Quacharo, *Steatornis caripensis* v. Humb. < *Müller's Arch. Anat. Phys.*, ix, 1842, pp. 1-11, pl. 1.

Gelesen in d. k. Akad. Wiss. zu Berlin am 13. Mai 1841. *Berlin. Monatsb.*, 1841, pp. 172-179; *L'Inst.*, ix, No. 408, 1841, p. 357.

1843. DES MURS, O. Considérations oologiques sur le genre d'oiseaux nommé Guacharo. (*Steatornis* de Humbold [sic]). < *Revue Zoologique*, vi, 1843, pp. 33-37.1844. FUNCK, N. Notice sur le *Steatornis caripensis*. < *Bull. Acad. Bruxelles*, xi, 1844, pp. 371-377.

*L'Institut*, xiii, 1845, No. 598, pp. 216, 217.

Pas vue moi-même—le titre tiré de la *Bibl. de Carus et Engelmann*. La notice se trouve aussi insérée dans l'*Isis* d'Oken, 1848, q. v.

1846. GOULD, J. [On a new species of *Nyctibius* (bracteatus).] < *P. Z. S.*, xiv, 1846, p. 1.1846. GOULD, J. [*Nyctibius bracteatus*.] < *Ann. Mag. Nat. Hist.*, xvii, 1846, p. 476.

From *P. Z. S.*, Jan. 13, 1846, p. 1.

1846. L'HERMINIER, [F.] Ueber *Steatornis caripensis* in der Provinz Cumana. < *Oken's Isis*, Bd. xxxix, 1846, p. 552.

*Nouv. Ann. Mus. d'Hist. Nat.*, Tom. iii, 1834, pp. 321-331, pl. 15.

1846. REICHENBACH, [L.] Neuer Caprimulgus in Ungarn. < *Allgemein. Naturh. Zeitung*, 1846, pp. 269—.

Not seen. Said to contain a list of the known species of *Caprimulgide*. *Chordeiles wiedersperryi*, sp. n., p. —.

1848. CABOT, S., JR. [On a species of *Chordeiles* from Surinam (*C. labeculatus*?)] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1848, pp. 55, 56.1848. FUNCK, N. Ueber den Guacharo (*Steatornis caripensis*). < *Oken's Isis*, Bd. xli, 1848, pp. 1018, 1019.

Auszug aus d. *Bull. Acad. Roy. Bruxelles*, xi, 1844, pp. 371-377.

1849. CASSIN, J. Descriptions of new species of birds of the Family Caprimulgidae, specimens of which are in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iv, 1849, pp. 236-239.

*Hydropsalis limbatus*, p. 236; *H. segmentatus*, *Antrostomus serico-caudatus* (sic), p. 238.

1849. L'HERMINIER, [F.] Notes sur la classification méthodique du Guacharo (*Steatornis* [caripensis]), . . . < *Rev. et Mag. de Zool.*, xii, (2<sup>e</sup> sér., i), 1849, pp. 321-328.



1850. CASSIN, J. Descriptions of new species of Birds of the Family Caprimulgidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., v, 1850, pp. 310-313.  
From *Proc. Phila. Acad.*, iv, 1849, pp. 236-239.
1851. CASSIN, J. Catalogue of the Caprimulgidæ in the collection of the Academy of Natural Sciences of Philadelphia. Published with *Proc. Acad. Nat. Sci. Phila.*, v, Nov. 1, 1851, not paged. Also separate, 8vo, one signature (foll. 8).  
Synonymatic.
1851. CASSIN, J. Notes of an examination of the Birds composing the family Caprimulgidæ, in the Collection of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, v, 1851, pp. 175-190.  
*Stenopsis*, p. 179; *Lurocalis*, p. 189, gg. nn. The 'notes' are a critical running commentary on all the New World forms, with mention of all the species which had come under the writer's observation. An early, if not the first notice of the special subject at all to be called critical.
1852. CASSIN, J. Monograph of the Birds composing the genera *Hydropsalis*, Wagler, and *Antrostomus*, Nuttall. < *Journ. Acad. Nat. Sci. Phila.*, ii, pt. ii, Jan. 1852, art. xiv, pp. 113-124, pll. xiii, xiv.  
*Hydropsalis*, 6 + 1 spp. Pl. xiv gives sections of tail-feathers of *H. limbatus*, *H. lyra*, *H. segmentatus*, *H. psalurus*. *Antrostomus*, 6 + 2 spp. Pl. xiii, *A. sericeo-caudatus*.
1854. BREWER, T. M. [Remark on exhibition of an egg of the Chuck-will's-widow (*Antrostomus carolinensis*).] < *Proc. Bost. Soc. Nat. Hist.*, v, 1854, p. 56.
1855. BOLLE, K. Drei Ziegenmelker [Caprimulgidæ] Nordamerikas. < *Naumannia*, viii, 1855, pp. 150-163.  
Aus dem Englischen des Audubon—*Caprimulgus* [*Antrostomus*] *carolinaensis*, C. [A.] *vociferus*, C. [*Chordeiles*] *virginianus*.
1860. HADFIELD, H. Note on the Piramidigs of Jamaica (*Chordeiles*). < *Zoologist*, xviii, 1860, p. 6976.
1860. PHILIPPI, R. A., and LANDBECK, L. Beschreibung zweier neuen Chilenischen Vögel aus den Geschlechtern *Procellaria* und *Caprimulgus*. < *Arch. f. Naturg.*, 1860, (1), pp. 279-284.  
*Caprimulgus andinus*, p. 270; *Tha'ssidroma segethi*, p. 282.
1861. GOULD, J. Description of a New Species of the Family Caprimulgidæ [*Chordeiles*? *pusillus*]. < *P. Z. S.*, xxix, 1861, p. 182.
1861. GOULD, J. Description of a New Species of the Family Caprimulgidæ. < *Ann. Mag. Nat. Hist.*, 3d ser., viii, 1861, p. 262.  
From *P. Z. S.*, April 23, 1861, p. 182.
1861. PHILIPPI, R. A., and LANDBECK, L. Descripción de una nueva especie de pájaros del género *Chotacubra* o *Caprimulgus* [*andinus*, p. 31]. < *Anales Univ. Chile*, xviii, Enero 1861, pp. 29-33.
1865. PELZELN, A. V. Ueber zwei neue Caprimulgiden aus Brasilien. < *Verhandl. d. k.-k. zool.-bot. Ges. zu Wien*, xv, 1865, *Abhandl.*, pp. 985-988.  
*Hydropsalis ypanemæ* (Natt.) und *H. pallescens* (Natt.).
1866. PELZELN, A. V. Zwei neue Caprimulgiden aus Brasilien. < *J. f. O.*, xiv, 1866, pp. 46-49.  
Aus *Verh. k.-k. Zool.-bot. Ges. Wien*, xv, 1865, *Abhandl.*, pp. 985-988. *Hydropsalis ypanemæ*, *H. pallescens*.
1866. SCLATER, P. L. Notes on the American Caprimulgidæ. < *P. Z. S.*, xxxiv, 1866, pp. 123-145, pll. xiii, xiv, woodcc.

This is the most important paper on the special subject, being a monographic sketch of the group, with reference to classification as based upon anatomical structure, to geographical distribution, and to the determination of the genera and species. After referring to the leading authorities upon the subject, the writer remarks upon the whole family and its geographical distribution, and proposes to divide it into two sections, readily distinguished by the structure of the feet. In one of the these, *Caprimulginae* proper, the outer digit has only four phalanges, and the claw of the third or middle digit is pectinated; while in the other the same claw is not peculiar, and the fourth digit has the usual number of phalanges, five. The sternum also offers important characters, as was shown by Blanchard. (*Ann. du Mus.*

## 1866. SCLATER, P. L.—Continued.

xi, 1859, pp. 104–108.) The anatomical characters in mention are figured in the woodcuts, pp. 124–126. *Podargus* and allied forms, such as *Nyctibius*, may require to be separated as a distinct family. The *Caprimulgidae* are divided upon the foregoing considerations into 3 sub-families: 1, *Podarginae* (*Podargus*, *Batrachostomus*, *Egotheles*, *Nyctibius*); 2, *Steatornithinae* (single genus); 3, *Caprimulginae*, (a) *Glabrirostris* (*Podager*, *Lurocalis*, *Chordiles*, *Lyncornis*, *Eurystopodus*), and (b) *Setirostris* (*Caprimulgus*, *Scotornis*, *Macrodipteryx*, *Antrostomus*, *Steornis*, *Hydropsalis*, *Holeothreptus*, *Nyctidromus*, *Siphonorhis*). The American forms are treated in a synonymic and diagnostic list of 42 spp., with critical and biographical remarks, and a table of geographical distribution.—*Stenopsis ruficervix*, sp. n., p. 140, pl. xiv: *Antrostomus parvulus* Gould, pl. xiii.

The paper is translated in *J. f. O.*, 1867, pp. 252–278.

1866. SCLATER, P. L. Additional Notes on the Caprimulgidae. < *P. Z. S.*, xxxiv, 1866, pp. 581–590, pll. xlv, xlvii.

In continuation of *P. Z. S.*, 1866, pp. 123–145, q. v. Anatomy of *Podargus*.—*Antrostomus ornatus*, p. 586, pl. 45; *S. langsdorfi* Pelz., *S. platyr* Pelz., p. 589, spp. un. Pl. 46 represents *Antrostomus maculicaudus*. *Stenopsis leucura* (V.) renamed *S. candicans* Pelz., p. 588.

1867. SCLATER, P. L. Bemerkungen über die amerikanischen Caprimulgiden. (Uebersetzt aus den *P. Z. S.*, 27 Feb. 1866.) < *J. f. O.*, xv, 1867, pp. 252–278.

Vergleich d. Originalausgabe, l. c., 1866.

1868. MOORE, N. B. Note on *Chordeiles virginianus*. < *Proc. Bost. Soc. Nat. Hist.*, xii, 1868, p. 127.

Occurrence of a pebble "of considerable size" in its stomach.

1868. SALVADORI, T. Due nuove specie di uccelli della famiglia dei Caprimulgidi. < *Atti della Soc. Ital. di Sci. Naturali*, xl, fasc. iii, Sept. 16, 1868, pp. 447 —.

*Stenopsis macrorhyncha*, *Scotornis nigricans*, both from South America. I cannot give the pages, as I have only seen repaged oversheets. 8vo. pp. 4.

1868. SCLATER, P. L. [Exhibition of the egg of the Guacharo (*Steatornis caripensis*).] < *P. Z. S.*, xxxvi, 1868, pp. 73, 74.1869. GOERING, A. Excursion a algunas cuevas hasta ahora no exploradas. (al sureste de Caripe.) < *Vargasia*, núm. 5, 1869, pp. 124–128, con una lámina.

Una visita a la célebre Cueva del Guácharo (*Steatornis caripensis*). Cf. *Ibis*, 1870.

1869. HEPBURN, J. [Identifies the "booming swallow" (cf. *Ibis*, 1867, 126) with *Chordeiles virginianus*.] < *Ibis*, v, 2d ser., 1869, pp. 126, 127.1869. KÖNIG-WARTHAUSEN, R. Bemerkungen über die Fortpflanzung einiger Caprimulgiden. < *J. f. O.*, xvi, 1868, pp. 361–388, pl. ii, f. 3. (Published 1869.)

The concluding Heft of the Journ. for 1868 was not published till May, 1869. Cf. *Zool. Rec.* for 1868, p. 29; for 1869, 56.

The plate represents eggs of *Stenopsis bifasciatus*.

The paper is an interesting one, with much on the literature of the subject, and very full treatment of 28 spp., "According to the colour of the Eggs the birds may be arranged in four groups—those laying (1) glossy eggs with a white ground, blotched with brownish- or bluish-gray, (2) very glossy eggs with a greenish-white ground, spotted and streaked with greenish-brown and gray, (3) dull and delicate eggs with a pale reddish cream-coloured or lively-flesh-coloured ground marked with yellowish-red and violet-grey, and (4) unspotted eggs more or less white. The first of these is the prevailing type, especially in the northern hemisphere and the temperate districts of the Old World; the second is the northern type of the New World; the third the southern type, especially in the New World, and the fourth the Polynesian type, which is special for the *Podarginae* and *Steatornithinae*. The accounts of the different species are given in much detail and with great apparent accuracy." (*Zool. Rec.*, 1869, p. 57.)

1870. PELZELN, A. V. [Rectification of *Zool. Record*, v, p. 74, in respect of certain Neotropical Caprimulgidae.] < *Ibis*, 2d ser., vi, 1870, p. 296.1871. "FAIRFAX." The Notes of the Whippoorwill [*Antrostomus vociferus*]. < *Am. Nat.*, v, 1871, pp. 438, 439.1873. BREWER, T. M. Color of the Eggs of Caprimulginae. < *Am. Nat.*, vii, July, 1873, pp. 434, 435.

With reference to a statement made by E. Coues, *tom. cit.*, p. 325.

1873. GARROD, A. H. On some Points in the Anatomy of *Steatornis*. < *P. Z. S.*, June 3, 1878, pp. 526-535, figg. 1-4.

Relating almost entirely to the pterylosis (figured) and the anatomy of the soft parts, especially the digestive organs, trachea, carotid arteries and certain muscles, the skull being also described and figured so far as to make it comparable with those in Huxley's paper on the classification of birds (*P. Z. S.*, 1867). The article is an important one. The pterylosis more closely resembles that of the *Strigide* than that of the *Caprimulgidæ*, and the genus should be made the type of a distinct family.

1873. MURIE, J. Fragmentary Notes on the Guacharo or Oil-Bird (*Steatornis caripensis*). < *Ibis*, 3d ser., iii, 1-73, pp. 81-84.

A 'scrupulously exact' description of the outside of the bird.

1873. SCOTT, D. [W.] The North American Goatsuckers [*Caprimulgidæ*]. < *Am. Nat.*, vii, 1873, pp. 669-675.

Biographical notes, with analytical synopsis of the species.

1878. [FITCH, E. H.] The Whippoorwill. (*Antrostomus Vociferens* [sic].) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 4, July, 1878, suppl. sheet, cut.  
Popular biography of the bird, with a figure.

1878. ROCKWELL, C. A Tough Young Night Hawk [*Chordeiles virginianus*]. < *Forest and Stream*, xi, Aug. 22, 1878, p. 46.

*Chordeiles virginianus* hatching from an egg which had been broken and "stirred up" by the writer.

1879. [FITCH, E. H.] The Night Hawk [*Chordeiles popetue*]. < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 11, Feb., 1879, cut.

Popular biography, with a figure.

1879. MAYNARD, C. J. Nest of the Chuck-will's-widow [*Antrostomus carolinensis*]. < *The Oölogist*, v, No. 1, July, 1879, p. 2.

## Todidæ.

1833. LAFRESNAYE, F. DE. Sur le genre Todier, Todus. L. < *Guér. Mag. de Zool.*, 3<sup>e</sup> année, 1833, classe ii, notice xi, pl. xi.  
*Todus viridis* Gm., pl. xi.
1842. LAFRESNAYE, F. DE. [Ueber Todus.] < *Oken's Isis*, Bd. xxxv, 1842, p. 56.  
*Mag. de Zool.*, iii, 1833.
1847. LAFRESNAYE, F. DE. Mélanges ornithologiques sur le Todier vert, Todus viridis des auteurs. < *Revue Zoologique*, x, 1847, pp. 326-333.  
4 spp.—*T. viridis*, *dominicensis*, *portoricensis*, *mexicanus*.
1851. LAFRESNAYE, F. DE. Mélanges ornithologiques.—Sur une nouvelle espèce de Todier (Todus [augustirostris]). < *Rev. et Mag. de Zool.*, iii, 1851, pp. 477-479.
1872. MURIE, J. On the skeleton of Todus, with Remarks as to its Allies. < *P. Z. S.*, May 21, 1872, pp. 664-680, pl. lv, 20 figg.  
Describes in great detail the skeleton of *Todus viridis*, and shows that the bird is a Coccygomorph, its nearest living allies being the *Momotidæ* and *Alcedinidæ*, but having also Muscipapine, Meropine, Galbuline, and Bucerotine tendencies, as shown by its habits, food, and other peculiarities.  
"It may be presumed that *Todus* comes of Halcyonine lineage, though its organization places it in juxtaposition with the Motmots. It moreover offers structure so truly Passerine as to mask its more direct allies; and such exterior points deceived the older naturalists or were too strongly insisted upon." A very elaborate and philosophical memoir.
1872. SCLATER, P. L. Observations on the Systematic Position of the Genera Peltops, Eurylemus, and Todus. < *Ibis*, 3d ser., ii, Apr., 1872, pp. 177-180, figg. 1-4.  
I. That *Peltops* should be referred to the family *Muscicapidæ*. II. That the *Eurylemidæ* should be assigned to the order *Passeres*. III. That the *Todidæ* should be constituted a family of *Coccygomorphæ*, in the immediate neighbourhood of the *Momotidæ*.
1874. SHARPE, R. B. On the Genus Todus. < *Ibis*, 3d ser., iv, 1874, pp. 344-355, pl. xiii.  
Chronological summary of literature of the subject: synonymatic, descriptive, etc., synopsis of 5 spp. *Todus pulcherrimus*, p. 353, pl. xiii, f. 3, sp. n. Pl. xiii, figg. 1, 2, *T. subulatus*.

## Momotidæ.

1841. JARDINE, W. *Horæ Zoologicæ*. No. III. On the History and Habits of the Birds composing the Genus *Prionites* of Illiger. < *Ann. Mag. Nat. Hist.*, vi, 1841, pp. 321-328, figg.
1841. LESSON, R. P. Description des Oiseaux du genre *Momot* Briss. < *Actes Soc. Linn. de Bordeaux*, xii, 1841, pp. 187-—.  
Pas vue moi-même. Titre tiré de Carus et Engelmann.
1843. CABOT, S., JR. [*Momotus yucataensis*, sp. n., from Yucatan.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1843, p. 156.  
This was subsequently identified with *M. (Eumomota* Scl. 1857) *superciliaris* Sandb.
1849. STRICKLAND, H. E. *Momotus gularis*, Lafresnaye. < *Jard. Contrib. Orn.*, 1849, p. 33, pl. xvii.
1851. SCHOMBURGK, R. *Prionites Momota*, Ill. < *Naumannia*, i, Heft iv, 1851, pp. 21-24.  
Aus der Leben.
1853. SCLATER, P. L. Notes sur deux nouvelles espèces du genre *Momot* (*momotus*). < *Rev. et Mag. de Zool.*, v, 1853, pp. 489, 490.  
*Momotus semirufus*, *M. subrufescens*, p. 489.
1854. GOULD, J. Description of a New Species of *Momotus* [*castaneiceps*]. < *P. Z. S.*, xxii, 1854, p. 154.
1855. GOULD, J. Description of a New Species of *Momotus*. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, pp. 273, 274.  
From *P. Z. S.*, July 25, 1854, p. 154.
1857. SCLATER, P. L. Review of the species of the Fissirostral Family Momotidæ. < *P. Z. S.*, xxv, 1857, pp. 248-260, pl. (Aves) exxviii.  
4 genera, 17 spp., and 4 others doubtful. *Eumomota*, p. 257, g. n. *Momotus microstephanus*, *M. nattereri*, p. 251, spp. nn. A very complete account of the group. The pl. represents *Prionirhynchus carinatus*.
1863. SCHLEGEL, H. *Momotus*. < *Mus. Hist. Nat. Pays-Bas.*, 4<sup>e</sup> livr., Juil., 1863, pp. 1-8.  
The group here treated is made to consist of the *Momotidæ* and *Todidæ* of authors; there are given 13 spp. of the single genus *Momotus*, and 2 of *Todus*.
1872. MURIE, J. On the Motmots [*Momotidæ*] and their Affinities. < *Ibis*, 3d ser., ii, 1872, pp. 383-412, pll. xiii-xv.  
I. Skull and sternum of *Momotus lessoni*. II. Cranium, etc., of *M. brasiliensis*. III. Osteology of *M. ruficapillus*. IV. *Eumomota superciliaris*—skeleton generally. V. The alliances of the *Momotidæ* osteologically considered. (These are with the *Todidæ*, the two families constituting a section of Syndaetyle birds proposed to be called *Serratirostræ*.) VI. Compendium of facts and opinions on the Motmots. VII. Conclusions derivative from data given. Pls. xiii-xv represent anatomical details and bills.  
"Describes the skull and sternum of *Momotus lessoni*, and in detail the skeleton of *Baryphthengus ruficapillus* and *Eumomota superciliaris*. A comparison is then made of the osteology of the *Momotidæ* with that of the *Todidæ*, *Coraciidæ*, *Meropidæ*, *Alcedinidæ*, and other families; and after a consideration of various facts as to habits, structure, and geographical distribution, and of opinions as to their supposed affinities, arrives at the conclusion that the four families just named best accord with the *Momotidæ*, and of them the *Todidæ* are most akin. If it is necessary to group them more nearly, Mr. Blyth's term "*Serratirostræ*" (*Mag. Nat. Hist.*, new ser., ii, p. 422) may be used. Only four genera of *Momotidæ* (*Momotus*, *Baryphthengus*, *Hylomanes* and *Eumomotus*) seem well established." (*Zool. Rec.*)
1873. SALVIN, O. On the Tail-Feathers of *Momotus*. < *P. Z. S.*, 1873, pp. 429-433, figg. 4.  
Mode of formation of the "racket"; cf. *Ibis*, 1872, p. 383. The birds are stated to nibble the feathers.

1878. GARROD, A. H. On the Systematic Position of the Momotidae. < *P. Z. S.*, Jan., 15, 1878, pp. 100-102, figg. A, B.

Cf. *P. Z. S.*, 1874, p. 123: errors there made here corrected. Colic cæca absent; minute tuft on oil-gland, or none. Such being the case, *Momotidæ* must be placed with the *Piciformes* as defined by Garrod, instead of with *Passeriformes*. *Momotidæ* scarcely separable as a family from *Todidæ*. A pterylographic peculiarity favors the reference of the family to *Piciformes*. Syrinx of *Momatus lessoni* figured, 2 views.

## Trogonidæ.

1832. LA LLAVE, PABLO DE. Memoria sobre el Quetzaltototl, género nuevo de Aves [Pharomachrus mocinno, g. sp. n.]. < *Registro Trimestre* (Mexico), i, núm. 1, Enero de 1832, pp. 43-49.
1833. GOULD, J. [Description of the Female of Trogon pavoninus, Spix.] < *P. Z. S.*, i, 1833, p. 107.
1834. GOULD, J. [Characters of three New Species of Trogon (*T. erythrocephalus*, *T. malabaricus*, and *T. elegans*) in the Collection of the Society.] < *P. Z. S.*, ii, 1834, pp. 25, 26.
1834. GOULD, J. [Description of Trogon pavoninus, ♀.] < *Lond. and Edinb. Philos. Mag.*, iv, 1834, pp. 59, 60.  
From *P. Z. S.*, Sept. 10, 1833, p. 107.
1835. GOULD, J. [Characters of several New Species of Trogon (*Trogon resplendens*, *T. ambiguus*, *T. citreolus*).] < *P. Z. S.*, iii, 1835, pp. 29, 30.
1835. GOULD, J. [On Trogonidæ.] < *Lond. and Edinb. Philos. Mag.*, vii, 1835, p. 226.  
From *P. Z. S.*, Mar. 10, 1835, pp. 29-30.
1835. GOULD, [J.] Viele Vögel. < *Oken's Isis*, Bd. xxviii, 1835, pp. 1024, 1025.  
*Proc. Zool. Soc. Lond.*, 1834, p. 25. *Trogon erythrocephalus*, *T. malabaricus*, *T. elegans*.
1836. GOULD, J. [Exhibition of Trogon resplendens and *T. pavoninus*.] < *P. Z. S.*, iv, 1836, p. 12.
1837. BONAPARTE, C. L. [On the Habits of the Long-tailed Trogon (*Trogon resplendens*, Gould).] < *P. Z. S.*, v, 1837, p. 101.
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 Orig. ed. pub. — to 1838. This second edition is really a different publication, all the plates being redrawn, and many more species being figured. Some of the plates are reproduced from the author's *Birds of Asia*. They are as follows:  
 1. *Pharomachrus mocinno*. 2. *P. antisianus*. 3. *P. fulgidus*. 4. 4a. *P. auriceps*. 5. *P. pavoninus*. 6. *Euptilotis neoxenus*. 7. *Trogon mexicanus*. 8. *T. ambiguus*. 9. *T. elegans*. 10. *T. personatus*. 11. *T. puella*. 12. *T. aurantiiventris*. 13. *T. collaris*. 14. *T. atricollis*. 15. *T. tenellus*. 16. *T. caligatus*. 17. *T. meridionalis*. 18. *T. ramonianus*. 19. *T. variegatus*. 20. *T. behni*. 21. *T. viridis*. 22. *T. chionurus*. 23. *T. bairdii*. 24. *T. aurantius*. 25. *T. surucura*. 26. *T. citreolus*. 27. *T. melanocephalus*. 28. *T. clathratus*. 29. *T. melanurus*. 30. *T. macurus*. 31. *T. massena*. 32. *Tmetotropogon roseigaster*. 33. *Prionotelus temnurus*. 34. *Hapaloderma narina*. 35. *H. constantia*. 36. *H. diardi*. 37. *H. hasumba*. 38. *H. fasciatus*. 39. *H. ardens*. 40. *H. darauceli*. 41. *H. rutilus*. 42. *H. hodgsoni*. 43. *H. erythrocephalus*. 44. *H. reinwardti*. 45. *H. mackloti*. 46. *H. oreskios*. Cf. *Ibis*, 1870, p. 118.
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**Alcedinidæ.**

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Part I, July 1, 1868; II, Oct. 1, 1868; III, Jan. 1, 1869; IV, Apr. 1, 1869; V, July 1, 1869; VI, Oct. 6, 1869; VII, Jan. 1, 1870; VIII, Apr. 1, 1870; IX, July 1, 1870; X, XI, Oct. 1, 1870; XII, Nov. 1, 1870; XIII, Dec. 1, 1870; XIV, XV, Jan. 1, 1871; the last containing the permanent title, introduction, and other furnishings.  
According to the table of contents the pages and plates are citable as follows:  
*Alcedo ispida*, p. 1, pl. 1; *bengalensis*, p. 11, pl. 2; *grandis*, p. 19, pl. 3; *malaccensis*, p. 21, pl. 4; *asiatica*, p. 23, pl. 5; *quadribrachys*, p. 25, pl. 6; *semitorquata*, p. 27, pl. 7; *euryzona*, p. 29, pl. 8; *beryllina*, p. 31, pl. 9. *Corythornis rintzioides*, p. 33, pl. 10; *cristata*, p. 35, pl. 11; *corruloecephala*, p. 39, pl. 12. *Aleyone azurea*, p. 41, pl. 13; *pulchra*, p. 45, pl. 14; *diemensis*, p. 47 (no pl.); *lessoni*, p. 49, pl. 15; *affinis*, p. 51, pl. 15; *pusilla*, p. 53, pl. 16; *cyanopectus*, p. 55, pl. 17. *Ceryle guttata*, p. 57, pl. 18; *lugubris*, p. 59 (no pl.); *rudis*, p. 61, pl. 19; *maxima*, p. 67, pl. 20; *sharpii*, p. 71, pl. 21; *torquata*, p. 73, pl. 22; *stellata*, p. 77 (no pl.); *aleyon*, p. 79, pl. 23; *amazonia*, p. 83, pl. 24; *cabanisi*, p. 87, pl. 25; *americana*, p. 89, pl. 26; *inda*, p. 91, pl. 27; *supercilliosa*, p. 93, pl. 28. *Pelargopsis melanorhyncha*, p. 95, pl. 29; *amauroptera*, p. 97, pl. 30; *leucocapilla*, p. 99, pl. 31; *gouldi*, p. 101, pl. 32; *fraseri*, p. 103, pl. 33; *gurali*, p. 105, pl. 34; *malaccensis*, p. 107 (no pl.); *burmanica*, p. 109, pl. 35; *floresiana*, p. 111, pl. 36. *Ceyx philippensis*, p. 113, pl. 37; *solitaria*,*

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p. 115, pl. 38; *melanura*, p. 117, pl. 39; *tridactyla*, p. 119, pl. 40; *rufidorsa*, p. 121, pl. 41; *sharpii*, p. 123, pl. 42; *dillwynii*, p. 125, pl. 43; *cajeli*, p. 127, pl. 44; *wallacei*, p. 129, pl. 45; *lepida*, p. 131, pl. 46; *uropygialis*, p. 133, pl. 47. *Ceryopsis fallax*, p. 135, pl. 48. *Ispidina madagascariensis*, p. 137, pl. 49; *leucogastra*, p. 139, pl. 50; *picta*, p. 141, pl. 51; *natalensis*, p. 145, pl. 52; *ruficeps*, p. 147, pl. 53; *lecontei*, p. 149, pl. 54. *Syma torotoro*, p. 151, pl. 55; *flavivirostris*, p. 153, pl. 56. *Halcyon coromanda*, p. 155, pl. 57; *badia*, p. 159, pl. 58; *smyrnenis*, p. 161, pl. 59; *gularis*, p. 165, pl. 60; *cyanorentis*, p. 167, pl. 61; *pileata*, p. 169, pl. 62; *erythrogastra*, p. 171, pl. 63; *semicaerulea*, p. 173, pl. 64; *albiventris*, p. 177, pl. 65; *orientalis*, p. 181, pl. 66; *chelicentensis*, p. 183, pl. 67; *senegaloides*, p. 157, pl. 68; *cyanoleuca*, p. 189, pl. 69; *senegalensis*, p. 191, pl. 70; *dryas*, p. 193, pl. 71; *malimbica*, p. 195, pl. 72; *albicilla*, p. 197, pl. 73; *leucopygia*, p. 199, pl. 74; *nigrocyanæa*, p. 201, pl. 75; *lazuli*, p. 203, pl. 76; *diops*, p. 205, pl. 77; *macleani*, p. 207, pl. 78; *pyrrhopygia*, p. 211, pl. 79; *cinnamomina*, p. 213, pl. 80; *australasiae*, p. 215, pl. 81; *lindsayi*, p. 217, pl. 82; *concreta*, p. 219, pl. 83; *hombroni*, p. 221, pl. 84; *sacra*, p. 223, pl. 85; *juliae*, p. 227, pl. 86; *chloris*, p. 229, pl. 87; *sordida*, p. 233, pl. 88; *forsterii*, p. 235, pl. 89; *vagans*, p. 237, pl. 90; *sancta*, p. 239, pl. 91; *finchii*, p. 243, pl. 92. *Todirhamphus veneratus*, p. 245, pl. 93; *recurvirostris*, p. 247, pl. 94; *tutus*, p. 249, pl. 95. *Carcineutes pulchellus*, p. 251, pl. 96; *melanops*, p. 253, pl. 97. *Monachalcyon monachus*, p. 255, pl. 98. *Caridonax fulgidus*, p. 257, pl. 99. *Tanysiptera sylvia*, p. 259, pl. 100; *doris*, p. 263, pl. 101; *emiliee*, p. 265, pl. 102; *sabrina*, p. 267, pl. 103; *nympha*, p. 269, pl. 104; *elliotti*, p. 271, pl. 105; *hydrocharis*, p. 273, pl. 106; *acis*, p. 275, pl. 107; *margarethæ*, p. 277, pl. 108; *naïs*, p. 279, pl. 109; *galeata*, p. 281, pl. 110; *riedeli*, p. 283, pl. 111. *Ducelo gigas*, p. 285, pl. 112; *leachi*, p. 289, pl. 113; *cervina*, p. 291, pl. 114; *occidentalis*, p. 293, pl. 115; *gaudi-chaudi*, p. 295, pl. 116; *tyro*, p. 297, pl. 117. *Cittura sanghirensis*, p. 299, pl. 118; *cyanotis*, p. 301, pl. 119. *Melidora macrorrhina*, p. 303, pl. 120.

In addition to these plates of species, there is one of generic details, 27 figures, and a map of family relationships.

The introduction includes elaborate essays on the classification of the family, with diagnoses of all the genera and species recognized, and on the geographical distribution, as well as an important résumé of the literature of the subject. The family is divided into two sub-families, *Alcedininae*, with 5 genera and 41 spp., and *Daceloninae*, with 14 genera and 84 spp.

The monograph is a model one: it at once became and remains the leading authority on the subject, and forms the corner-stone of the author's high reputation.

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## Capitonidæ.

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1870. MARSHALL, C. H. T., and MARSHALL, G. F. L. [*Megalæma humii*, n. sp.] <*Ibis*, 2d ser., vi, 1870, pp. 533-538.

1870. MARSHALL, C. H. T., and MARSHALL, G. F. L. Notes on the Classification of the Capitonidae. <*P. Z. S.* xxxviii, 1870, pp. 117-120, figg. 1-6.

The family is primarily divided into the three subfamilies *Pogonorhynchinae*, *Megalæminæ*, and *Capitoninae*: the first represented in Africa and America, the second in Africa and Asia, the third in Africa, Asia, and America. Several of the current genera are rearranged or reorganized: *Stactolæma*, g. n., p. 118, type *Buccanodon anchietæ*, Bocage, Africa. The heads of this species, of *Barbatula leucolæma*, *Xylobucco duchaillui*, *X. scolopacea*, *Trachyphonus margaritatus*, and *T. purpureus*, are figured.

- 1870-71. MARSHALL, C. H. T., and MARSHALL, G. F. L. A Monograph of the Capitonidae or Scansorial Barbets. . . . London, 1870, 1871. roy. 8vo. Pub. in 9 parts. Parts i-v, 1870: Parts vi-ix, 1871.

Not seen.

According to the *Zool. Rec.*, whence I take the title and comment herewith presented, Part V contains the Preface and Introduction, the latter beginning with a dissertation on the theory of evolution, which is followed by an account of the literature relating to the special subject, to which succeeds a chapter on the classification and geographical distribution.

The species figured are as follows:

Part I. *Megalæma virens*, *M. versicolor*, *M. henrici*, *Calorhamphus lathamii*, *Tricholæma hirsuta*, *Trachyphonus margaritatus*, *Capito maculicoronatus*, *C. aurovirens*. Part II. *Pogonorhynchus dubius*, *Tetragonops frantzii*, *Xylobucco duchaillui*, *Trachyphonus cafer*, *Capito bourcierii*, *Megalæma lineata*, *M. hodgsonii*, *M. flavifrons*. Part III. *Megalæma zeylanica*, *M. caniceps*, *M. nuchalis*, *M. faber*, *M. australis*, *Xantholæma rubricapilla*, *Stactolæma anchietæ*, *Pogonorhynchus leucoccephalus*. Part IV. *Megalæma viridis*, *M. asiatica*, *M. oorti*, *M. phæostriata*, *Trachyphonus goffini*, *T. purpuratus*, *T. squamiceps*, *Barbatula leucotis*. Part V. *Megalæma chrysopogon*, *Xantholæma hermacephala*, *Capito aurantiicollis*, *Psilopogon pyrolophus*, *Calorhamphus fuliginosus*, *Pogonorhynchus abyssinicus*, *P. torquatus*, *P. bidentatus*. Part VI. *Pogonorhynchus rolleti*, *P. diadematus*, *P. melanoccephalus*, *Megalæma inornata* (*Zool. Rec.*, vii, p. 43), *Gymnobucco bonapartii*, *Xantholæma malabarica*, *Barbatula bilineata*, *B. atrolæva*, and *Capito versicolor*. Part VII. *Xantholæma rosæa*, *Megalæma javeensis*, *M. mystacophonus*, *M. humii* (*Zool. Rec.*, vii, p. 43), and *M. franklini*, *Tetragonops rhamphastinus*, *Gymnobucco calvus*, and *Xylobucco scolopaceus*. Part VIII. *Megalæma armillaris*, *M. chrysopsis*, *M. corvina*, *Pogonorhynchus vicilloti*, *P. leucomelas*, *Capito richardsoni*, *C. niger*, and *C. auratus*. Part IX. *Pogonorhynchus melanopterus*, *P. undatus*, *Barbatula leucolæma*, *B. pusilla*, *B. sub-sulphurea*, *B. chrysocoma*, *B. uropygialis*, *Capito glaucogularis*, *C. quinticolor*, *Megalæma legrandieri*, *M. duracelli*, and *M. cyanotis*.

Cf. *Ibis*, 1870, pp. 505, 506; 1871, pp. 451, 452; and *Zool. Rec.* for 1870 and 1871.

1870. [NEWTON, A.] [Announcement of the Messrs. Marshall's Monograph of the Capitonidae.] <*Ibis*, 2d ser., vi, 1870, p. 156.

1870. SWINHOE, R. The Large Barbet [*Megalæma marshallorum* n. sp.] of the Himalayas in want of a Name! <*Ann. Mag. Nat. Hist.*, 4th ser., vi, 1870, p. 345.

1872. MARSHALL, C. H. T., and MARSHALL, G. F. L. [Note on the validity of *Megalæma marshallorum*.] <*Ibis*, 3d ser., ii, 1872, p. 327.

1873. LLOYD, J. H. On a new Species of Barbet [*Megalæma sykesi*] from Western India. <*Ibis*, 3d ser., iii, 1873, pp. 124, 125.

**Bucconidæ.**

1836. GOULD, J. [Characters of a new species of *Tamatia* (*T. bicincta*).] < *P. Z. S.*, iv, 1836, pp. 80, 81.
1845. LAFRESNAYE, F. DE. Description de deux nouvelles espèces d'Oiseaux. < *Revue Zoologique*, viii, 1845, pp. 179, 180.  
*Micropogon bourcierii*, p. 179; *M. hartlaubi*, p. 180.
1850. LAFRESNAYE, F. DE. Description et figure d'une nouvelle espèce de Barbacou [*Monasa mystacalis*]. < *Rev. et Mag. Zool.*, ii, 1850, pp. 215, 216, pl. 3.  
Avec la description d'une autre nouvelle espèce, *M. azillaris*, p. 216.
1851. CASSIN, J. Descriptions of new species of Birds of the genera *Galbula* and *Bucco*, Briss., specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Phila.*, v, Feb. 1851, pp. 154, 155, pll. vii, viii.  
The new *Bucco* here described and figured is *B. ordii*, p. 154, pl. viii, from Venezuela.
1853. SCLATER, P. L. Descriptions of New Species of Bucconidæ. < *P. Z. S.*, xxi, 1853, pp. 122-124, pll. i, ii.  
*Bucco radiatus*, p. 122, pl. i; *B. striatipectus*, *Malacoptila fulvogularis*, *M. substriata* (pl. ii), *M. aspersa*, p. 423.
1854. SCLATER, P. L. A Synopsis of the Fissirostral family Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xiii, 1854, pp. 353-365, 474-484.  
Very complete, giving synonymy, diagnosis, geographical distribution, and much critical matter. *Bucco*, 15 spp.; *Malacoptila*, 12 spp.; *Monasa*, 4 spp.; *Chelidoptera*, 2 spp.
1854. SCLATER, P. L. Synopsis | of | the Fissirostral Family | Bucconidæ, | accompanied by four coloured plates | of hitherto unfigured Species. | By | Philip Lutley Sclater, M. A., F. Z. S., | Fellow of Corpus Christi College, Oxford. | — | Reprinted, with Additions, from the | Annals and Magazines of Natural History. | 2nd Series, 1854. | — | London: | Samuel Highley, 32 Fleet Street. | 1854. 1 vol. 8vo. pp. 24, pll. 4.  
In this excellent monograph the author, after reviewing the previous arrangements of the group, especially insisting upon the separation of the family from the Scansorial Barbets or *Capitonidæ*, and noting their restriction to tropical America, divides the species into four genera: 1) *Bucco* with *Tamatia*, *Chaunornis* and *Cyphos* as subgenera, 2) *Malacoptila* with *Nonnula* as a subgenus, 3) *Monasa*, 4) *Chelidoptera*. *Bucco* has 15 spp., *Malacoptila* 12, *Monasa* 4, *Chelidoptera* 2. These 33 species are carefully worked out, with all the synonymy the author was able to discover (excepting that relating to *Capito senilis* Tschudi = *Bucco senilis* Poeppig ms.), diagnosis, habitats, and critical comment. The species figured are *Bucco ruficollis*, pl. 1; *B. bicinctus*, pl. 2; *B. lanceolatus*, pl. 3; *Chelidoptera albipennis*, pl. 4. The name *Nonnula* Scl. is new or recently so. Several lately new species of Sclater's were described in the *P. Z. S.* for Dec. 13, 1853.
1855. SCLATER, P. L. Characters of some apparently New Species of Bucconidæ, accompanied by a geographical Table of the family. < *P. Z. S.*, xxiii, 1855, pp. 193-196, pll. cv, cvi.  
*Bucco hyperhynchus*, pl. cv; *B. dysoni* "Gray", p. 193; *B. pulmentum* Bp. et Verr. mss., pl. cvi; *Monasa peruana* Bp. et Verr. mss., *Bucco picatus*, p. 194; *Malacoptila nigrifusca*, p. 195, spp. nn. 5 genera, 40 spp.
1855. SCLATER, P. L. Descriptions of New Species of Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 292-294.  
From *P. Z. S.*, Dec. 13, 1853.
1856. SCLATER, P. L. Characters of some apparently New Species of Bucconidæ. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 260-263.  
From *P. Z. S.*, Nov. 13, 1855.
1861. GIEBEL, C. G. Zur Osteologie der Gattung *Monasa*. < *Zeitschr. f. d. gesammte Naturwiss.*, xviii, 1861, pp. 121-—.  
Nicht mir selbst zugänglich.

1862. SCLATER, P. L. On a New Species of *Malacoptila* [*M. poliopsis*] from Western Ecuador. < *P. Z. S.*, xxx, 1862, pp. 86, 87, pl. viii.

1863. GOFFIN, A. *Buccones*. < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Janv., 1863, pp. 1-66; 3<sup>e</sup> livr., 1863, pp. 67-98.

The group "*Buccones*" of this author, who may have caught a spirit of retrograde classification from the Director of the Leyden Museum, consists of the two very distinct families of *Capitonidæ* and *Buconidæ*,—the distinction between which, however, is recognized by the primary division of the group into two, according as the rectrices are 10 (*Capitonidæ*) or 12 (*Buconidæ*) in number; equivalent respectively to the "scansorial" and "fissirostral" Barbets. Of the former are treated 11 spp. of *Pogonorrhynchus*, 34 of *Megalaima*, 1 *Tetragonops*, 11 of *Capito*, and 1 *Calorhamphus*. Of the latter are given 11 spp. of *Bucco*, 4 of *Malacoptila*, 3 of *Monasa*, and 1 of *Chelidoptera*. The groups are, together, represented by 300 specimens in the Leyden Museum. Various species, not represented in the Collection, are also treated in the foot-notes.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidæ, Oxyrhamphidæ, Buconidæ, and Strigidæ. < *P. Z. S.*, xxxvi, 1868, pp. 322-329, pl. xxix.

*Monasa grandior*, sp. n., p. 327.





1853. TRISTRAM, H. B. Occurrence of the Jacamar (*Galbula ruficauda*) in Lincolnshire. < *Zoologist*, xi, 1853, pp. 3906, 3907.
1855. SCLATER, P. L. Remarks on the Arrangement of the Jacamars (*Galbulidæ*), with Descriptions of some New Species. < *P. Z. S.*, xxiii, 1855, pp. 13-16, pl. (Aves) lxxvii.  
6 genn., 20 spp. *Galbula fuscicapilla*, p. 13, pl. lxxvii; *Urogalba amazonum*, p. 14; *Brachygalba melanosternum*, p. 15, spp. nn. Besides these new species the paper includes some important rectifications resulting from investigations made since the writer's 'Synopsis' of 1853 appeared, and a table of Geographical Distribution. The genus *Galbuloides* is eliminated as probably fictitious.
1856. SCLATER, P. L. Remarks on the Arrangement of the Jacamars (*Galbulidæ*), with Descriptions of some New Species. < *Ann. Mag. Nat. Hist.*, 2d ser., xvii, 1856, pp. 70-73.  
From *P. Z. S.*, Jan. 9, 1855, pp. 13-16

## Rhamphastidæ.

1773. ———. Naturgeschichte des grossschnablichten Pfeffervogels. < *Berlin. Samml.*, Bd. v, 1773, pp. 294-302.

Not seen—title from Carus and Engelmann.

1795. SPALOWSKI, J. J. A. Beschreibung und Abbildung der Rhamphastos viridis und monota L. < *Neuere Abhandlungen der K. Böhm. Gesellsch.*, ii, 1795, pp. 172-178, 2 pll.

Not seen.

"1803-1818." LEVAILLANT, F. Histoire Naturelle | des Oiseaux de Paradis | et des Rolliers, | suivie de celle des Toucans et des Barbus, | par | François Levaillant. | Tome premier [second; et un troisième (Promerops, Guépriers)]. | [Monogram.] | Paris, | Chez { Déné le jeune, Libraire, rue Vivienne, n<sup>o</sup>. 10. | Perlet, Libraire, rue de Tournon [mut. mut.]. | 1806. ["1803-1818."] 3 vols. gr. in-fol. 196 planches coloriées et les doubles en noir, savoir:—

[*Vol. I.*]

Histoire Naturelle des Oiseaux de Paradis et des Rolliers, suivie de celle des Toucans et des Barbus, [etc.] Vol. I. Faux titre, titre, pp. 1-153, i, ii, pll. 1-56.

Histoire Naturelle des Oiseaux de Paradis. pp. 1-68, pll. 1-24. [PARADISEIDÆ, etc.]

Histoire Naturelle des Rolliers et des Geais. pp. 69-116, pll. 25-39. [CORACIDÆ, MOMOTIDÆ, etc.]

Histoire Naturelle des Geais. pp. 117-153, pll. 40-56. [CORVIDÆ, COTINGIDÆ, etc.]

[*Vol. II.*]

Histoire Naturelle des Oiseaux de Paradis et des Rolliers, suivie de celle des Toucans et des Barbus, [etc.] Vol. II. Faux titre, titre, pp. 1-133, i, ii, 1 feuillet, pll. 1-57.

Histoire Naturelle des Toucans. pp. 1-46, pll. 1-18. [RHAMPHASTIDÆ.]

Histoire Naturelle des Barbus. pp. 47-106, pll. 19-46. [CAPITONIDÆ, BUCCONIDÆ.]

Histoire Naturelle des Jacamars. pp. 107-126, pll. 47-54. [GALBULIDÆ.]

Additions aux articles des Barbus proprement dits. pp. 127-133, pll. 55-57.

[*Vol. III.*]

Histoire Naturelle | des Promerops | et des Guépriers, | par | F. Levaillant, | faisant suite | a celle des Oiseaux de Paradis, | par le même. Faux titre, 1 feuillet; pp. 1-81, 1-67, 1-38, 39-52, i, ij., pll.

1<sup>re</sup> PARTIE. Histoire Naturelle des Promerops. pp. 1-81, pll. 1-32.

2<sup>ème</sup> PARTIE. Histoire Naturelle des Guépriers. pp. 1-67, pll. 1-20. [MEROPIDÆ.]

3<sup>ème</sup> PARTIE. Histoire Naturelle des Couroncons, et des Touracons. pp. 1-38, pll. 1-20. [TROGONIDÆ, MUSOPHAGIDÆ.]

SUPPLEMENT aux différents genres d'oiseaux décrits dans les deux premiers volumes. pp. 39-52, pll. A, AA, B, C, D, E, F, G, h, K, L.

The whole of this series of splendid monographs forms three large folio volumes, with nearly 200 colored plates, duplicated in black. The titles of Vols. I and II are identical: the title of the third is entirely changed, and does not show on its face that it is not of a different work. The three, however, are uniform, and form parts of one work. It is, in fact, the continuation of Levaillant's *Hist. Nat. Ois. de l'Amérique et des Indes* (itself a supplement to the

## "1803-1818 " LEVAILLANT, F.—Continued.

*Ois. de l'Afrique*), which was announced in 1801 to appear in parts, with 240 plates; only one volume of that, however, came out, with 49 plates. That was, in effect, two monographs, of the *Bucerotidæ* and *Cotingidæ*; and the present Iconography continues the same system of monographing successive groups of birds; though, unfortunately, the author's groups do not correspond with any recognized modern families.

Volume I is consecutively paged and the plates are continuously numbered throughout. It has two Parts. The first is a monograph of *Paradisæidæ*, the second of *Coraciidæ*, *Momotidæ*, certain *Corvidæ*, etc.

Volume II, titled identically with Vol. I, and likewise with a continuous pagination and consecutive numbering of plates throughout, has several monographs, of *Rhamphastidæ*, *Capitonidæ*, *Bucconidæ*, *Galbulidæ*, etc.

Vol. III is less homogeneous. In the first place, the several memoirs are separately paged, and their respective series of plates are separately enumerated. In the next place, it has supplementary matter relating to the subjects treated in the two preceding volumes—this supplement being paged continuously with the last part of the main text, and its plates being lettered instead of numbered. There are three "Parts" in this Volume:—1. *Promerops* (a miscellaneous assortment, *Certhia*, etc.). 2. *Meropidæ*. 3. *Trogonidæ* and *Musophagidæ*.

I indicate thus the general bearing of the several treatises which compose this Iconography: though as already said, few if any of Levaillant's groups correspond exactly with modern families.

Owing to its extensive and varied composition the work is not an easy one to cite tersely; and it is to be found quoted in such various and loose fashion as to convey the impression that there are as many distinct works as there are monographs in the single one. Figures and descriptions had best be all cited by the leading words "*OIS. DE PARAD.*", giving Vol. I, II, III, as the case may be, and in the instance of the last volume citing also name of the monograph or supplement.

The date of the work is in endless question. I have never yet been able to fix it. The date on the titles of all three of the volumes is the same, 1806; but the work appeared in parts, during several years. According to Engelmann, there were 33 livraisons, running from 1803 to 1818; but he gives no sufficient particulars. The date is of less consequence, however, as the author uses no scientific names, and therefore raises no question of priority of nomenclature.

The number of plates is ostensibly  $56 + 57 + 32 + 20 + 20 + 11 = 196$ , but there may be some interpolations. Engelmann gives 198. I have not made the actual count.

1815. TRAILL, T. S. Some Observations on the Bill of the Toucan: in a Letter to the Right Hon. Sir Joseph Banks, Bart., K. B. P. R. S. H. M. L. S. < *Trans. Linn. Soc.*, xi, pt. ii, 1815, pp. 288, 289.

Controverting the notion of its hollowness; noting its great vascularity, and probable use as a delicate organ of smell.

1818. TRAILL, T. S. Tinkanschabel, von Sf. [lege T. S.] Traill. < *Oken's Isis*, Jahrg., ii, 1818, pp. 1921, 1922.

From *Tr. Linn. Soc.*, xi, 1815, p. 288, *q. v.*

1820. SWAINSON, W. Description of two new Birds of the genus *Pteroglossus*. < *Quart. Journ. Sci. Lit. and Art*, Roy. Inst., ix, 1820, pp. 266-268.

Not seen. The species are *Pt. torquatus*, p. —, and *Pt. sudeatus*, p. —.

1825. BRODERIP, W. J. Observations on the Manners of a live Toucan [*Rhamphastos erythrorhynchus*], now exhibited in this country. < *Zool. Journ.*, i, 1825, pp. 484-488; also p. 591.

1825. LESSON, R. P. Observations sur les habitudes et la manière de vivre d'un Toucan qu'on montre actuellement en Angleterre: par W. J. Broderip. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, p. 413.

*Zool. Journ.*, Janvier 1825, pp. 484-488.

1826. VIGORS, N. A. On some species of the Ramphastidæ. < *Zool. Journ.*, ii, 1826, pp. 466-483, pl. suppl. 17.

This is a subhead of a much more extensive paper, entitled "Sketches in Ornithology;" &c., which runs through several vols. and years of the periodical cited.

Here occur the descriptions of *Ramphastos ariel*, p. 466, and *Pteroglossus bitorquatus*, p. 481, pl. 17, spp. nn., with much other matter relating to the family at large. (*Féruss. Bull.*, x, 1827, pp. 155-157; *Isis*, 1830, pp. 1060-1065.)

1827. AG. DESM.—ST. Suite des Esquisses ornithologiques, ou Observations sur les véritables affinités de quelques groupes d'oiseaux, par M[i. e., N]. A. Vigors.—Sur quelques espèces de Ramphastidées. < *Féruss. Bull.*, 2<sup>e</sup> sect., x, 1827, pp. 155–157.  
*Zool. Journ.*, ii, 1826, pp. 466–483.
1827. ANON. Systema Avium. Auctor Dr. I. Wagler. Stuttgartiæ apud Cotta. 1827. 8. < *Oken's Isis*, Bd. xx, 1827, pp. 864–873.  
 The peculiar plan of the work is illustrated by a transcript of Wagler's treatment of the genus *Rhamphastos*—14 spp.—nearly the whole of the present article being devoted to the exhibit of that genus.
1828. BRODERIP, W. J. Bemerkungen über das Betragen eines lebendigen Tukans [Rhamphastos] in London. < *Oken's Isis*, Bd. xxi, 1828, pp. 939, 940.  
 Uebers aus d. *Zoological Journal*, i, 1825, Bd. i, Nr. 47, pp. 484–488, 591.
1830. VIGORS, N. A. Ornithologischen Skizzen. Ueber die Verwandtschaft einiger grösserer Vögelgruppen. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1060–1064.  
*Zoological Journal*, Nro. viii, Januar 1826 (vol. ii), pp. 466–483. Ueber einige Arten der Ramphastiden.
1832. OWEN, R. [On the Anatomy of Rhamphastos ariel, Vig.] < *P. Z. S.*, ii, 1832, pp. 42–46.
- 1833–35. GOULD, J. A Monograph of the Ramphastidæ or Family of the Toucans. London. Published by the Author. 1833–1835. folio. Pub. in 3 parts. 52 colored plates.  
 Not seen! There is a 2d ed. 1854, and Suppl. 1855, *q. v.* There is also a German version by Sturm and Sturm, 1841—.
1833. GOULD, J. [Characters of a New Species of Toucan (Pteroglossus ulocomus).] < *P. Z. S.*, i, 1833, p. 38.
1833. GOULD, J. [Characters of three New Species of Toucan (Rhamphastos and Pteroglossus).] < *P. Z. S.*, i, 1833, pp. 69, 70.  
*R. swainsonii*, p. 69; *R. culminatus*, *P. hypoglaucus*, p. 70.
1833. GOULD, J. [Characters of a New Species of Toucan (Pteroglossus castanotis).] < *P. Z. S.*, i, 1833, pp. 119, 120.
1834. ANON. A Monograph, etc.—Monographie des Toucans; par M. J. Gould, in-fol., Londres, 1833. < *Ann. des Sci. Nat.*, 2<sup>e</sup> sér., i, 1834, p. 256.  
 L'annonce de l'ouvrage.
1834. GOULD, J. [Characters of the Genera and Species of the Family Rhamphastidæ, Vig.] < *P. Z. S.*, ii, 1834, pp. 72–79.  
 This is the most extensive and complete of the earlier notices of the family, treating in all of 22 species.
1834. GOULD, J. [Characters of a New Species of Toucan (Pteroglossus hæmatopygus).] < *P. Z. S.*, ii, 1834, p. 147.
1835. GOULD, J. [Exhibition of a living Red-billed Toucan (Rhamphastos erythrorhynchus, Gmel.).] < *P. Z. S.*, iii, 1835, p. 21.
1835. GOULD, J. [On a New Species of Toucan (Rhamphastidæ, Vig.—Aulacorhynchus derbianus).] < *P. Z. S.*, iii, 1835, p. 49.
1835. GOULD, J. [Characters of New Toucans and Araçarís (Rhamphastidæ), with a Synoptic Table of the Species of the Family.] < *P. Z. S.*, iii, 1835, pp. 156–160.  
*Rhamphastos citreopygus*, *P. osculans*, p. 156; *Pteroglossus pluricinctus*, *P. humboldtii*, *P. nattereri*, *P. reinwardtii*, *P. langsdorffii*, p. 157; *P. pavoninus*, p. 158. With analytical diagnosis of the species of the family.
1835. GOULD, J. [On Rhamphastidæ.] < *Lond. and Edinb. Philos. Mag.*, vii, 1835, pp. 64 and 228.  
 From *P. Z. S.*, Dec. 9, 1834, and Apr. 14, 1835.
1835. GOULD, J. [Zeigt einen Toucan, mit merkwürdigen Federn auf dem Kopf, u. s. w.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 523, 524.  
*P. Z. S.*, 1833, p. 38.

1835. GOULD, J. Drey neue Vögel [Rhamphastidæ]. <Oken's Isis, Bd. xxviii, 1835, pp. 535, 536.  
From *Z. P. S.*, 1833, pp. 69, 70.
1835. GOULD, J. Ein neuer Toucan [Pteroglossus castanotis], nahe verwandt mit Pteroglossus aracari et regalis. <Oken's Isis, Bd. xxviii, 1835, p. 550.  
*P. Z. S. London*, 1833, p. 119. Beschreibung von *Picus flavinucha* folgt.
1835. GOULD, J. Rhamphastidæ Vig. <Oken's Isis, Bd. xxviii, 1835, pp. 1032-1038.  
Üebersetzung: *Proc. Zool. Soc. Lond.*, ii, 1834, pp. 72-79.
1835. GOULD, J. Ein neuer Toucan [Pteroglossus haematopygus], von Strickland mitgetheilt aus Südamerica. <Oken's Isis, Bd. xxviii, 1835, p. 1060.  
*Proc. Zool. Soc. Lond.*, ii, 1834, p. 147.
1835. OWEN, R. Anatomie von Ramphastos ariel Vig. <Oken's Isis, Bd. xxviii, 1835, pp. 373, 374.  
Aus d. *P. Z. S.*, 1832, pp. 42-46.
1836. GOULD, J. Uebersicht der Rhamphastiden. <Arch. f. Naturg., ii, (1), 1836, pp. 307-311.  
Nach *P. Z. S.*, 1835, p. 156, seq., mitgetheilt.
1837. GOULD, J. Ueber Ramphastiden. <Oken's Isis, Bd. xxx, 1837, pp. 188-191.  
Üebersetzung: *Proc. Zool. Soc. Lond.*, 1835, pp. 156-160.
1837. GOULD, J. Ein neuer Toucan. <Oken's Isis, Bd. xxx, 1837, p. 123.  
*Proc. Zool. Soc. of Lond.*, 1835, p. 49.
1837. NATTERER, J. [On a New Species of Araçari (Pteroglossus Gouldii).] <*P. Z. S.*, v, 1837, p. 44.
1837. EDITORIAL. A Monograph of the Family Ramphastidæ. By J. Gould, F. L. S. Three parts, folio, 1833-36, London. <*Mag. of Zool. and Bot.*, i, 1837, pp. 187-192.  
Extended review.
1839. WATERHOUSE, G. R. [Description of a New Species of Toucan (Pteroglossus nigrirostris).] <*P. Z. S.*, vii, 1839, pp. 111, 112.
1840. FRASER, L. [Exhibition of some specimens of the true Pteroglossus Azarae of Wagler and Vieillot.] <*P. Z. S.*, viii, 1840, pp. 60, 61.
- 1841-4-. GOULD, J. (*Ed. Sturm.*) Monographie der Ramphastiden oder Tukanartigen Vögel. Aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von J. H. C. F. Sturm und J. W. Sturm. . . . Nürnberg. 1841-4-.
- This I have not seen, and can say little about. According to my information, it is in sm. folio, and was published in Parts. Parts i-iii are cited as of 1841, '42; Part iv as of 1847; there are said to be 5 Parts, each of ten colored lithographic plates and as many sheets of letter-press. I should judge by the title that the work is much modified from the original. See *Isis*, 1842, p. 235; 1843, p. 558; 1848, p. 695.
1842. ANON. Gould's Monographie der Ramphastiden, aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von H. und G. Sturm. Nürnberg, Pamerstrasse S. Nr. 709. Hft. II. 1841. Kl. Fol. T. 10. <Oken's Isis, Bd. xxxv, 1842, pp. 235, 236.
1842. GOULD, J. On two new Species of Trogon and a new species of Toucan from the Cordillierian Andes. <*Ann. Mag. Nat. Hist.*, ix, 1842, pp. 236-239.  
*Pteroglossus castancorhynchus*, p. 238.
1843. ANON. J. Gould's Monographie der Ramphastiden oder tukanartigen Vögel, aus dem Englischen übersetzt, mit Zusätzen und einigen neuen Arten vermehrt von Fr. u. W. Sturm. Nürnberg. Hft. III. 1842. Kl. Fol. S. 20. Taf. 10. ill. <Oken's Isis, Bd. xxxvi, 1843, p. 558, 559.
1843. GOULD, J. [On two New Species of Birds from the collection formed by Sir Edward Belcher.] <*P. Z. S.*, xi, 1843, pp. 15, 16.  
*Pteroglossus erythropygius*, *Pterocles personatus*, p. 15, spp. nn.
1843. GOULD, J. [On an extensive Series of Toucans, with characters of two New Species.] <*P. Z. S.*, xi, 1843, pp. 147-148.  
*Ramphastos citreolemus*, *Pteroglossus periclosternus*, p. 147, spp. nn.

1844. GOULD, J. [On two new species of Ramphastidæ.] < *Ann. Mag. Nat. Hist.*, xiv, 1844, pp. 61, 62.  
From *P. Z. S.*, Dec. 12, 1843.
1848. ANON. J. Gould's Monographie der Ramphastiden oder tukanartigen Vögel, übersetzt und mit Zusätzen und neuen Arten vermehrt von Fr. und W. Sturm. Nürnberg bey den Verfassern 1847. Heft IV. Kl. Fol. < *Oken's Isis*, Bd. xli, 1848, p. 695.
1849. [MITCHELL, D. W.] [Report of the purchase of a specimen of *Rhamphastos carinatus*.] < *P. Z. S.*, xvii, 1849, p. 94.
1853. GOULD, J. Description of a new species of *Aulacorhamphus* [*cæruleogularis*]. < *P. Z. S.*, xxi, 1853, p. 45.
1854. GOULD, J. A Monograph | of | the Ramphastidæ, | or | Family of the Toucans. | By | John Gould, F. R. S., | [etc., 7 lines.] | London: | printed by Taylor and Francis, Red Lion Court, Fleet street. | Published by the author, 20, Broad street, Golden Square. | 1854. 1 vol. folio. pp. 1-28 (title, &c., and introduction); 51 colored plates with as many sheets of letter-press; 1 uncolored plate (details) with 4 pp. of text.  
This a second edition, "with new drawings of the old species, and figures and descriptions of no less than eighteen others", making 51 in all. The original edition was published in 1833-35, containing 33 species. There is a supplement, 1855. There is a German version of the orig. ed., 1841 seq.  
The introduction gives a general account of the family, the species of which are so brilliantly illustrated in the colored plates. An additional plate, uncolored, with 4 pages of text, represents anatomical observations. The plates are as follows:  
1. *R. toco*; 2. *R. carinatus*; 3. *R. brevicarinatus*; 4. *R. tocard*; 5. *R. ambiguus*; 6. *R. erythrorhynchus*; 7. *R. inca*; 8. *R. cuvieri*; 9. *R. citreolæmus*; 10. *R. osculans*; 11. *R. culminatus*; 12. *R. ariel*; 13. *R. vitellinus*; 14. *R. discolorus*. 15. *Pteroglossus aracari*; 16. *P. wiedi*; 17. *P. phuricinctus*; 18. *P. pæcilostrernus*; 19. *P. castanotis*; 20. *P. torquatus*; 21. *P. erythropygius*; 22. *P. humboldti*; 23. *P. inscriptus*; 24. *P. viridis*. 25. *Beauharnasius ulocomus*; 26. *B. bitorquatus*; 27. *B. sturmi*; 28. *B. azaræ*; 29. *B. flavirostris*; 30. *B. mariæ*. 31. *Selenidera maculirostris*; 32. *S. gouldi*; 33. *S. langsdorffi*; 34. *S. nattereri*; 35. *S. reinwardti*; 36. *S. piperivora*. 37. *Andigena laminirostris*; 38. *A. hypoglaucus*; 39. *A. nigrirostris*; 40. *A. cucullatus*; 41. *A. bailloni*; 42. *Aulacorhamphus sulcatus*; 43. *A. derbianus*; 44. *A. castaneorhynchus*; 45. *A. hæmatopygius*; 46. *A. cæruleocinctus*; 47. *A. prasinus*; 48. *A. wagleri*; 49. *A. albivittata*; 50. *A. atrogularis*; 51. *A. cæruleogularis*.—Plate uncolored of details.  
*Grammarhynchus*, g. n., p. 26.
1855. GOULD, J. Description of a New Species of *Aulacorhamphus*. < *Ann. Mag. Nat. Hist.*, 2d ser., xv, 1855, pp. 390, 391.  
From *P. Z. S.*, Feb. 22, 1853, p. 45.
1857. CASSIN, J. Notes on the North American species of *Archibuteo* and *Lanius*, and description of a new species of Toucan, of the genus *Selenidera*, Gould. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1857, pp. 211-214.  
The new Toucan is named *S. spectabilis*, p. 214.
1858. CASSIN, J. Description of a New Tanager from the Isthmus of Darien, and note on *Selenidera Spectabilis*, Cassin. < *Proc. Acad. Nat. Sci. Phila.*, x, 1858, pp. 177, 178.
1858. CASSIN, J. Descriptions of New Species of Birds of the genera *Selenidera*, Gould, and . . . < *Journ. Acad. Nat. Sci. Phila.*, iv, pt. i, Dec. 1858, pp. 5-8, pll. i-iii.  
*Selenidera spectabilis*, pl. i, originally described in *Proc. Phila. Acad.*, 1857, p. 214.—(The remainder of the paper relates to *Numida* and *Phasidus*, and the title will be found in full under *Numididæ*.)
1858. GOULD, J. [On a New Species of Toucan (*Andigena spilorhynchus*).] < *P. Z. S.*, xxvi, 1858, pp. 149, 150.
1858. GOULD, J. On a new species of Toucan. < *Ann. Mag. Nat. Hist.*, 3d ser., ii, 1858, p. 388.  
From *P. Z. S.*, March 23, 1858.

1865. SCHMIDT, MAX. [Einiges über Ramphastos discolorus Gm.] < *Zool. Gart.*, v, 1865, pp. 267, 268.
1866. GOULD, J. Description of a New Species of Toucan belonging to the Genus *Aulacoramphus* [*A. cyanolemus*]. < *P. Z. S.*, xxxiv, 1866, p. 24.
1867. CASSIN, J. A Study of the Rhamphastidæ. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 100-124.  
 Monographic. 5 genn., 64 spp. *Burhynchus*, p. 102; *Tucanus*, p. 104; *Ramphodryas*, p. 106; *Baillonius*, p. 114; *Ramphastoides*, p. 117, subgg. nn. No new species are described. Cf. *Zool. Rec.*, iv, 1867, p. 88.
1867. SCHMIDT, MAX. [Einiges über Ramphastos im Gefangenschaft.] < *Zool. Gart.*, viii, 1867.
1870. STEVENS, R. P. The Toucan's Beak. < *Am. Nat.*, iv, 1870, pp. 622, 623.  
 On the adaptation and uses of the organ in *Rhamphastidæ*.
1871. STEVENS, R. P. *Tukanens Næb*. < *Tidssk. for populære Fremst. af Naturvidensk.*, 4<sup>e</sup> ser., iii, 1871, p. 80.  
 „Spørgsmaalet: i hvilket Øjemed har Tukanen sit ejendommelige Næb.“
1876. GURNEY, J. H., JR. Toucans in England in the Seventeenth Century. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4838, 4839.  
 Extracts from Plot's *Nat. Hist. Oxfordshire*, 1677, and Leigh's *Nat. Hist. Lancashire*, 1700.



## Cuculidæ.

[NOTE.—The literature of this family is extensive, but much of it relates to *Cuculus canorus* alone, or is otherwise excluded from presentation here.]

1832. KAUP, J. [J.] *Saurothera marginata*. Eine neue Art aus Mexico. < *Oken's Isis*, Bd. xxv, 1832, pp. 991, 992, pl. xxvi.
1833. CAWDORE, Lord. [Exhibition of a *Coccygus carolinensis* killed in Wales.] < *P. Z. S.*, i, 1833, p. 26.
1835. BOTTA, P. E. Description du *Saurothera californiana*. < *Nour. Ann. du Mus. d'Hist. Nat.*, iv, 1835, pp. 121-124, pl. (color.) 9.
1835. THOMPSON, W. [*Coccygus americanus* in Great Britain.] < *P. Z. S.*, iii, 1835, pp. 83, 84.
1837. SWAINSON, W. On the Natural History and Relations of the Family of Cuculidæ or Cuckoos, with a view to determine the series of their variation. < *Mag. of Zool. and Bot.*, i, 1837, pp. 213-225, 430-437.  
It suffices to remark of this article that it is quinquarian.
1839. JARDINE, W. *Horæ Zoologicæ*. No. I. On the History and Habits of *Crotophaga*. < *Ann. Nat. Hist.*, iv, 1839, pp. 160-171, figg. 1, 2.
1840. JARDINE, W. *Horæ Zoologicæ*. No. II. The History and Habits of *Crotophaga* continued from page 171, by the Notes of Mr. Schomburgk on the Manners of the Birds of Guiana. < *Ann. Nat. Hist.*, iv, 1840, pp. 318-322.
1844. JARDINE, W. Über das Betragen der Kielschnabel (Keel-Bills, *Crotophaga*). < *Oken's Isis*, Bd. xxxvii, 1844, pp. 913-918.  
*Ann. Nat. Hist.*, iv, 1839, pp. 160-171, and 318-322.
1844. SWAINSON, W. Ueber die Naturgeschichte und die Verwandtschaften der Cuculidæ. < *Oken's Isis*, Bd. xxxvii, 1844, pp. 512, 513.  
*Mag. Zool. and Bot. Lond.*, Bd. i, Hft. iii, 1837, pp. 213-225, 430-437.
1847. LAFRESNAYE, [F.] DE. Sur le *Saurothera vetula* (Tacco Vieillard) de Vieillot. < *Revue Zoologique*, x, 1847, pp. 353-360.  
4 esp. *S. jamaicensis*, p. 354; *S. dominicensis*, p. 355, spp. nn.
1849. VERREAUX, J., and DES MURS, O. Nouvelle espèce de Coucou [*Cuculus macrourus*] se rapprochant du genre *Piaya*. < *Rev. et Mag. Zool.*, i, 1849, p. 276.  
The species is identified by Gray with *Dromococcyx phasianellus* (Spix) of Brazil.
1849. GRAY, G. R. Description of a new species of the genus *Cultrides* [*C. rufipennis*]. < *P. Z. S.*, xvii, 1849, p. 63, (Aves) pl. x.  
From Mexico. (The genus is a synonym of *Neomorphus* Gloger, 1827.)
1850. GRAY, G. R. Description of a new species of the genus *Cultrides* [*C. rufipennis*]. < *Ann. Mag. Nat. Hist.*, 2d ser., v, 1850, p. 224.  
From *P. Z. S.*, Apr. 24, 1849, p. 63.
1852. STRICKLAND, H. E. On a new species of *Coccyzus* [*C. pumilus*] from Trinidad. < *Jard. Contrib. Orn.*, 1852, p. 28, pl. lxxxii.
1854. GLOGER, C. W. L. Ein seltsamer Zug in der Fortpflanzung der amerikanischen Kuckuke [*Coccygus americanus*]. < *J. f. O.*, ii, 1854, pp. 219-232.  
Mainly from Audubon and Nuttall.
1854. HARTLAUB, G. Beiträge zur exotischen Ornithologie. < *J. f. O.*, ii, 1854, pp. 409-421.  
Descriptions of various birds, with critical comment; and, in particular, a review of numerous species of *Cuculidæ*.
1855. JONES, J. C. [Communication presenting a specimen of *Geococcyx* (mexicanus?).] < *Proc. Boston Soc. Nat. Hist.*, v, 1855, p. 258.

1860. REINHARDT, J. Bemærkninger om Redebygningen og Forplantningsforholdene hos *Crotophaga*-Slegten. 8vo. pp. 31.

Aftryk af *Oversigt over det Kgl. danske Vidensk. Selsk. Forhandlinger* o. s. v., Januar 1860.

- 1862-63. CABANIS, J., and HEINE, F. Museum Heineanum. | — | Verzeichniss | der | ornithologischen Sammlung | des | Oberamtman | Ferdinand Heine | auf | Gut St. Burchard | vor | Halberstadt. | Mit kritischen Anmerkungen und Beschreibungen fast | sämtlicher Arten | systematisch bearbeitet | von Dr. Jean Cabanis, | erstem Custos der königlichen zoologischen Sammlung in Berlin | und | Ferdinand Heine, | Stud. philos. | — | IV. Theil, | die Klettervögel | enthaltend. | Heft I: Kuckuke und Faulvögel. | — | Halberstadt, 1862-63. | In Commission der Frantz'schen Buchhandlung (G. Loose). 8vo. 2 p. ll, pp. 1-229.

Auch unter d. Titel: Museum | Ornithologicum | Heineanum. | — | Pars IV. Scansores. | Sectio I. | Cuculidæ. | Argornithidæ.

The greater part of this Heft is occupied with the *Cuculidæ* (to p. 122), and these sheets all date 1862. The rest consists of the *Bucconidæ* (pp. 123-128 in 1862, rest in 1863) to p. 153, *Trogonidæ* to p. 212 (1863), and *Galbulidæ* to p. 229 (1863). The new names proposed are as follows:

CUCULIDÆ (1862). *Lamprocoocyx*, p. 11; *L. chrysochlorus*, p. 11; *Chalcocoocyx*, p. 15; *Penthoceyx*, *Misocallus*, p. 16; *Cacangelus*, p. 17; *Cacomantis threnodes*, p. 19; *C. infaustus*, p. 23; *Heteroscenes*, p. 26; *Hiracoceyx*, p. 27; *H. sparrerianus*, p. 28; *Caliechthrus*, p. 31; *Cuculus leptodetus*, p. 34; *C. canorinus*, p. 35; *Eudynamis chinensis* [sic—*leguensis*], p. 52; *Ceuthmochares*, p. 60; *Rhopodytes*, p. 61; *Rhamphocoocyx*, p. 65; *Glaucoceyx*, p. 71; *Cochlothrastes*, p. 74; *Coccyzus nesiotus*, p. 78; *Nesococeyx*, p. 79; *Pyrhococeyx mesurus*, p. 83; *P. guianensis*, p. 85; *P. pallescens*, p. 86; *Acentetus*, p. 102; *Centrococeyx*, p. 109; *C. moluccensis*, p. 113; *Pyrhocentor*, p. 117; *P. unirufus*, p. 118; *Nesocentor*, p. 118.

BUCCONIDÆ (1863)—none new in 1862). *Malacoptila aequatorialis*, p. 134; *M. blacica*, p. 137; *Nystalus*, p. 139; *Hypnelus*, p. 143; *Nothriscus*, p. 146; *Argicus*, p. 148; *Notharchus*, p. 149.

TROGONIDÆ (1863). *Pyrotrogon orrhopaerus*, p. 156; *Orescius* (= *Oreskios*, Bp.), p. 161; *Trogon virginialis*, p. 173; *T. propinquus*, p. 175; *Pothinus*, p. 180; *Aganrus*, p. 184; *A. crissalis*, p. 190; ? *A. derillei*, p. 191; *Harpalophorus*, p. 199; *Troctes*, p. 201; *T. mesurus*, p. 202; *Tanypeplus*, p. 205; *Leptuas*, p. 206.

GALBULIDÆ (1863). *Brachyceph*, p. 214; *Uroceph*, p. 216; *Caucalias*, p. 218.

1863. HEINE, F. Cuculidina. < *J. f. O.*, xi, 1863, pp. 349-358.

*Lamprococeyx chrysites*, *L. resplendens*, p. 350; *Cacomantis dysonymus*, *C. querulus*, *Cuculus telephonus*, p. 352; *Coccyzus gracilis*, p. 356, spp. nn.—*Thamnias*, p. 357; *Eutroctes*, p. 358, new generic names in other groups.

1864. SCHLEGEL, H. Cuculi. *Mus. Hist. Nat. Pays-Bas*, 5<sup>e</sup> livr., 1864, pp. 1-86.

The *Cuculi* of this author are a superfamily group, consisting of the *Indicatoridæ*, *Leptosomatidæ*, *Musophagidæ*, *Coliidae* and *Opisthocomidæ*! of authors, besides the *Cuculidæ* proper. Each of these families is treated as if of a single genus, excepting the last-named, in which the author allows several. The 122 species treated are represented in the collection by 842 specimens.

1864. SCLATER, P. L. On the Species of the American genus *Coccyzus*. < *P. Z. S.*, xxxii, 1864, pp. 119-122.

Synonymic, diagnostic, and critical synopsis of 8 spp. *C. bairdi*, p. 120, sp. n.

1864. SCLATER, P. L. Notes on the Species of Cuckoos of the Genus *Neomorphus*. < *P. Z. S.*, 1864, pp. 249, 250.

Diagnosis of two species.

1866. SCLATER, P. L. On a New American Cuckoo of the Genus *Neomorphus* [*N. salvini*]. < *P. Z. S.*, xxxiv, 1866, pp. 59, 60, pl. v.

With synopsis of 3 spp.

1869. WALDEN, Lord. On the Cuculidæ described by Linnæus and Gmelin, with a sketch of the Genus *Eudynamis*. < *Ibis*, 2d ser., v, 1869, pp. 324-346, pl. x.

The author rightly holds that the old names must be either identified or disposed of. He handles the subject critically and patiently, accounting for most of the names.

"Of the 22 Linnaean species of *Cuculus*, 3 belong to other families, and 11 of the remaining 19 have been more or less satisfactorily identified, leaving 8 undetermined. Of these, 2 seem to be beyond hope at present; but the names of the last 6 can, it is shown, be referred without much fear of error to the species for which they were intended. The 2 Linnaean species

1869. WALDEN, *Lord*—Continued.

of *Crotophaga* are identical. Gmelin named 21 species and 10 varieties of *Cuculus* in addition to those given by Linnaeus, besides 2 species which belong to other families, 2 which really are Cuckoos though placed in other genera, and 1 *Crotophaga*. Of these 29 only 9 can, from one cause or another, retain Gmelin's names. The genus *Eudynamis* is specially treated, 9 species being recognized, one of which *E. rangoni*, Bp. (*Consp. Av.*, i, p. 101) is figured." (*Zool. Rec. for 1869*, p. —.)

1870. SCLATER, P. L. Further [cf. *P. Z. S.*, 1864, pp. 119 seq.] Notes on the Cuckoos of the Genus *Coccyzus*. < *P. Z. S.*, xxxviii, 1870, pp. 165–169.

Synonymatic and diagnostic synopsis of 8 spp., with critical commentary.

1871. DRESSER, H. E. [Exhibition of a specimen of *Coccyzus americanus* found in Great Britain.] < *P. Z. S.*, xxxix, 1871, p. 299.1872. SCLATER, P. L. [Remarks on Exhibition of a Skin of the Yellow-billed Cuckoo (*Coccyzus americanus*) from Buenos Ayres.] < *Proc. Zool. Soc. London*, 1872, p. 196.1872. SCLATER, P. L. [Remarks on Exhibition of a specimen of *Coccyzus erythrophthalmus* killed in Ireland.] < *Proc. Zool. Soc. London*, 1872, p. 681.

The same specimen formerly recorded (*Zoologist*, p. 2943) as *C. americanus*. The only other instance of the occurrence of this bird in Europe is stated to be in Italy (Bolle, *J. f. O.*, 1858, p. 457; Selys-L., *Ibis*, 1870, p. 452; Salvadori, *Fa. Ital.*, 1871, p. 42).

1872. BLAKE-KNOX, H. American Cuckoo [*Coccyzus erythrophthalmus*] in Ireland. < *Zoologist*, 2d ser., vii, 1872, p. 2943.

Erroneously given as *C. americanus*: cf. *P. Z. S.*, 1872, p. 681.

1872. CLERMONT, *Lord*. Blackbilled American Cuckoo [*Coccyzus erythrophthalmus*] in Ireland. < *Zoologist*, 2d ser., vii, 1872, p. 3022.1873. CABANIS, J. [*Coccyzus enleri*, n. sp. aus Brasilien.] < *J. f. O.*, 1873, pp. 72, 73.1873. COUES, E. Range of the *Geococcyx californianus*. < *Am. Nat.*, vii, 1874, p. 751.1873. LAWRENCE, G. N. Remarks on *Neomorphus pucherani* and its Allies. < *Ibis*, 3d ser., iii, 1873, pp. 287–295.

Historical. Descriptive synopsis of 4 spp. of the genus.

1874. ANON. [The Road-runner—*Geococcyx californianus*.] < *Am. Sportsman*, iv, 1874, p. 395.

From San Luis Obispo, Cal., *Tribune*.

1874. HUDNUT, J. O. The Paisano [*Geococcyx californianus*] not the Chiacalaca [*Ortalis* sp.] < *Field and Stream* (newspaper of Chicago, Ill.), Apr. 4, 1874.1875. ANON. The Bird Road-Runner [*Geococcyx californianus*.] < *Rod and Gun*, vi, Sept. 25, 1875, p. 396.

Reprint from St. Helena, Cal., *Star*.

1875. BENNER, F. Is the yellow-billed cuckoo parasitic? < *Forest and Stream*, v, Sept. 16, 1875, p. 83.1875. DUBOIS, A. Note sur un *Coccyzus* tué en Belgique. < *Bull. Acad. Roy. Belgique*, xxxix, Jan., 1875, pp. 9–11.

Pas vu moi-même. Un individu du *C. americanus* tué dans le Bois-de-Lessines, le 22 Oct 1874.

1875. "PARVUS." American Cuckoo. < *Rod and Gun*, vii, May 1, 1875, p. 75.

Mere statement of fact that the American species make nests of their own.

1876. CHAMBERS, V. T. The Chapparal Cock. < *Am. Nat.*, x, No. 6, 1876, p. 373.

Request for information respecting food of *Geococcyx californianus*.

1878. BENDIRE, C. Breeding habits of *Geococcyx californianus*. < *Bull. Nutt. Ornith. Club*, iii, No. 1, Jan., 1878, p. 39.1878. JONES, J. M. Nesting of Cuckoo [*Coccyzus erythrophthalmus*] near Halifax, N. S.]. < *Forest and Stream*, xi, Oct. 10, 1878, p. 204.

1879. BREWER, T. M. Parasitic Birds [Cuculidæ]. < *The Oölogist*, iv, No. 11, June, 1879, p. 85.
1879. BRYANT, W. E. Love-making in the Road-Runner [*Geococcyx californianus*]. < *Science News*, i, No. 7, Feb. 1, 1879, p. 112.
1879. MILLER, Miss F. Strange Story of a California Bird [*Geococcyx californianus*]. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 109, 110.  
Habits as observed in semi-domestication.

**Psittacidæ.**

1733. DUVERNEY, J. G. Anatomie. < *Hist. de l'Acad. Roy. des Sci. de Paris* pour l'année 1682, i, 1733, pp. 344, 345.

Sur le bec d'un Perroquet, p. 344.

1752. CERATI, l'Abbe. [Observation sur l'âge auquel peuvent parvenir les Perroquets.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1747, 1752, pp. 57, 58.

Une espèce de Cacatua—près de cent-vingt années.

1753. ISNARD, A. D. DE. [Observation sur un Perroquet qui pondit un œuf en France.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1727, 1753, pp. 25, 26.

- 1801-05. LEVAILLANT, F. Histoire Naturelle | des Perroquets, | par François Levaillant. | — | Tome premier [second]. | [Monogram.] | A Paris, | Chez Levrault, Schoell et C., rue de Seine S. G. | — | Strasbourg, de l'imprimerie de Levrault. | Au xii (1804). [1801-1805.] Pub. livr. I-XXIV, titled and paged for 2 vols. folio. Vol. I, half-title, title, dedication, preface, each 1 leaf. Text pp. 1-135, 1 leaf (table); pll. col'd 1-71. Vol. II, half-title, title, each 1 leaf. Text pp. 1-111; pll. 72-139.

This is the earliest of the great Parrot Monographs: a splendid work, worthy associate of the others from the same celebrated source. The two volumes of 139 plates, describing 90 species of the family, were followed in 1837-38 by a third (supplementary) volume by Bourjot St. Hilaire, with 111 plates of 88 species: to which a fourth vol. of 48 plates and about as many species was added by De Sonance in 1857-58, these together making by far the most extensive Iconography of the Parrots extant.

It is to be always regretted, for Levaillant's sake, that, while he described so carefully and so brilliantly figured numberless species of birds, many of them before unknown, he did not in any of his four great works use the system of nomenclature which would have entitled him to full recognition. He is the real author of very many new species to which systematic names were later applied by Vieillot and others, who consequently get all the perfunctory credit that should have gone to Levaillant. Buffon, Brisson and Levaillant are the three great French names in ornithology which are not citable for species.

The beautiful plates of this work were drawn from nature, engraved and printed in colors under the direction of Bouquet. The text (as is not very often the case with Iconographies like this) is much more than a brief description of the objects represented, occupying usually more than one leaf to a plate, and going into many particulars concerning the species of this family. The whole work forms the corner-stone of the special literature of *Psittacidæ*.

1801. MOROZZO, [C. L.] Letter from Count Morozzo to C. Lacepede, respecting a Parrot hatched at Rome; together with some Observations on the duration of the Life of these Birds. < *Tilloch's Philos. Mag.*, xii, 1801, pp. 235-246.

From *Journ. de Physique*, Ventose, An 10.

I. History of the laying and incubation of a pair of Brazilian Parrots. II. Their habits, attachment, mode of rearing their young. III. Description of ♂, ♀, and young (= Amazon Parrot of Barrere, *Fr. Equinox.*, p. 144). IV. Instances of some Parrots which have laid in Europe. V. Conjectures on the duration of the life of Parrots, including a table of the duration of incubation and life of several birds, and periods of gestation in several mammals, in comparison with the duration of their life.

1802. MOROZZO, [C. L.] Histoire d'un Perroquet né à Rome, suivie de quelques observations sur la durée de la vie des oiseaux. < *Journ. de Phys., Chim., et Hist. Nat.*, liv, 1802, pp. 180-193.

L'histoire de ces Perroquets, et celle de leur ponte et de leur incubation.—Leurs habitudes, amours, et la manière d'élever leurs petits.—Description de ces oiseaux.—Conjectures sur la vie des perroquets, etc.; "j'en ai vu un moi-même qui étoit depuis 75 ans dans la même maison." Table de la durée de l'incubation, et de la vie de plusieurs oiseaux.

1803. MOROZZO, C. L. Relation De deux fœtus produits par les mêmes perroquets qui dans l'année 1801 ont donné un petit, à Rome. < *Journ. de Phys., Chim., et Hist. Nat.* lvi, 1803, pp. 347-350.

Bull. v, 4—14

1820. KÜHL, H. H. Kuhl, Ph. Dr. Ac. C. L. C. N. C. S. | *Conspectus Psittacorum.* | Cum specierum definitionibus, novarum descriptionibus, | synonymis et circa patriam singularum naturalem | adversariis, | adjecto indice museorum, ubi earum | artificiosae exuviae servantur. | Cum Tabulis III. aeneis pictis. | [n. d., n. p.; Bonnæ, 1820.] 1 vol. 4to. pp. 104, pll. iii.

*Notis Actis Acad. Cæs. Leop.-Carol. Nat. Cæs.*, vol. x, pars i, 1820, pp. 4-104.

De speciebus 209 Psittacorum tractat auctor celeberrimus, quarum novas "circa 40, nunquam descriptas" continet monographia sua. Species signo ! notatas vidit ipse et sec. naturam descripsit.

Species omnes ad genus *Psittaci* unicuique relatæ sunt, hoc genere in sect. vi. diviso, sc., 1. *Ara*; 2. *Convers* (p. 4); 3. *Psittacula*; 4. *Psittacus* ipse; 5. *Kakadue*! (p. 11); 6. *Probosciger* (p. 13).—I. *Ara*, A. colore coccineo, spp., 1-3; B. colore caeruleo, 4, 5; C. colore viridi, 6-10. II. *Convers*, A. Americani, 11-28; B. Africani, 29-33; C. Asiatici, 34-61; D. Australes, 62-92. III. *Psittacula*, A. Americani, 93-102; B. Africani, 103-105; C. Asiatici, 106-115; D. Australes, 116-119. IV. *Psittacus*, A. Americani, 120-144; B. Africani, 145-147; C. Asiatici, 148-150; D. Australes, 151, 152. V. *Kakadue*, A. Indici, 153-156; B. Australes, 157-164. VI. *Probosciger*, 165, 166.—Psittaci patriæ incertæ, 167-171.—Psittaci dubii, aut auctori incogniti, ab aliis descripti, 172-209.

Species sequentes sanè novas asterisco notavi; reliquæ forsàn prius descriptæ.

10. *Psittacus illigeri*, Temm. et Kuhl, p. 19 (= *P. fuscatus*, Mus. Berol. nomine incepto). 24. *P. viridissimus*, Temm. et Kuhl, p. 25. 63. *P. platurus*, Temm. et Kuhl, p. 43. 67. *P. erythronotus*, p. 45. *P. auriceps*, p. 46. 75. *P. chlorolepidotus*, p. 48. 77. *P. ultramarinus*, p. 49. 78. *P. chrysostomus*, p. 50, pl. i. 82. *P. spurius*, p. 52. 84. *P. cyanomelas*, p. 53. 86. *P. icterotis*, Temm. et Kuhl, p. 54. 90. *P. brownii*, p. 56. 94. *P. st. thomæ*, p. 58. 104. *P. swinderhianus*, p. 62, pl. ii ("swinderianus," lapsu). 111. *P. simplex*, p. 66. 113. *P. micropterus*, p. 67. 125. *P. brachyurus*, Temm. et Kuhl, p. 72. 127. *P. maximiliani*, p. 72. 133. *P. cyanotis*, Temm. et Kuhl, p. 77. 134. *P. erythrurus*, p. 77. 148. *P. squadiceocephalus* (!), p. 84. 158. *P. tenuirostris*, p. 88. 159. *P. eos*, p. 88. 162. *P. temminckii* (sic), p. 89. 164. *P. leachii*, p. 91, pl. iii. 166. *P. goliath*, p. 92. 168. *P. bitorquatus*, p. 92. 171. *P. fuscicollis*, p. 95.

12. *P. auricapillus*, "Licht.," p. 20. 15. *P. leucotis*, "Licht.," p. 21. 96. *P. surrus*, "Ill.," p. 59. 97. *P. melanotus*, "Licht.," p. 59. 102. *P. vulturinus*, "Ill.," p. 62. 121. *P. leucogaster*, "Ill.," p. 70.

De Vaillant's opere "Histoire Naturelle des Perroquets," pp. 102-104.

Exemplum hujusce opusculi quod examinavi in *Biblioth. Reip. Amer.* olim cl. Okeno d. d. auctor, ut patet notâ msc. ante titulum: „Herrn Hofrath Dr Oken vom Vfs."

1821. KÜHL, H. [Auszüge aus seinem Conspectus Psittacorum.] < *Oken's Isis*, Jahrg. v, 1821, pp. 951-962.

Die Originalausgabe ist enthalten in den *Neue Verh. der Kaiserl.-Leop.-Carol. Acad.*, Bd. x., Abth. i, 1820, pp. 4-104; auch besonders gedruckt, Ito, Bonn, 1820. Der obige Aufsatz besteht nur aus einer Synopsis der Gattungen und einem Verzeichniß der Arten, nebst einem Anhang des Herausgebers über die Levaillant'sche „Naturgeschichte der Papageien."

1821. TEMMINCK, C. J. Account of some new Species of Birds of the Genera *Psittacus* and *Columba*, in the Museum of the Linnean Society. < *Trans. Linn. Soc.*, xiii, pt. i, 1821, pp. 107-130.

*Psittacus cookii*, p. 111; *P. solandri*, p. 113; *P. nasicus*, p. 115; *P. flavigaster*, p. 116; *P. baneri*, p. 118; *P. brownii*, p. 119; *P. multicolor*, p. 119; *P. icterotis*, p. 120; *P. venustus*, p. 121; *P. pulchellus*, p. 122. *Columba dilopha*, p. 124; *C. magnifica*, p. 125; *C. leucomela*, p. 126; *C. scripta*, p. 127; *C. humeralis*, p. 128; *C. phasianella*, p. 129. Memoir in French.

1822. EDITORIAL. Notice regarding the History and Distribution of the genus *Psittacus* or Parrot. < *Edinb. Philos. Journ.*, vii, 1822, pp. 398-401.

1823. DESM[AREST], A. [G.] Notice sur les Aras Bleus nés en France, et acclimatés dans le dépt. du Calvados; par M. J.-V. Lamouroux. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ii, 1823, pp. 451, 452.

Extraite des *Mém. Soc. Linn. de Paris*, ii, 1823?, pp. 155-162.

1823. GABRIAC, MARQUIS DE. Notice Sur la Ponte faite à Paris par des Perruches de l'Amérique méridionale, de l'espèce dite Pavouane, dans les mois de juillet et d'août de l'année 1822. < *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313.

Addition à la notice précédente, par Geoffroy-St.-Hilaire, pp. 314-316.

- 1823? LAMOUROUX, J. V. F. Notice Sur des aras bleus nés en France et acclimatés dans le département du Calvados. < *Mém. Soc. Linn. de Paris*, ii, 1823?, pp. 155-162.
1823. V.-Y. Conspectus Psittacorum. . . . Auct. H. Kuhl. < *Féruss. Bull.*, 2<sup>e</sup> sect., iv, 1823, p. 208, 209.  
 Revue de cet ouvrage.
1824. DESM[AREST, A. G.] Description de quelques espèces d'oiseaux des genres Perroquet et Pigeon du Muséum de la Société linnéenne de Londres: par M. C. J. Temminck. < *Féruss. Bull.*, 2<sup>e</sup> sect., i, 1824, p. 278, 279.  
 Extr. des *Trans. Linn. Soc.*, xiii, pt. i, p. 197.
1824. PAYRAUDEAU, B. C. Notice sur la ponte faite a Paris par des Perruches de l'Amérique meridionale, de l'espèce dite Pavouane, dans les mois de juillet et d'août de l'année 1822: par M. le M<sup>re</sup> de Gabriac, . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ii, 1824, p. 203.  
 Extraite des *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313.
- 1824-25. VIGORS, N. A. Descriptions of some rare, interesting, or hitherto uncharacterized subjects of Zoology. < *Zool. Journ.*, i, 1824, pp. 409-418, 526-542, pll. 13, 14, 16; pll. suppl. 1-4: in, 1825, pp. 234-241, pl. 7.  
*Muscicapa lathamii*, p. 410, pl. 13, n. sp.; *Anthus richardi*, Vieill., p. 411, pl. 14; *Psittacula kuhli*, p. 412, pl. 16, n. sp.; *Platyercus* (g. n.), p. 527) *pacificus*, Lath., pl. suppl. 1; *P. auriceps*, Kuhl, pl. 2; *P. ulietanus*, Lath., pl. 3; *Psittacus pyrhopterus*, Lath., pl. 4; Vol. ii, *Anthropoides stanleyanus*, p. 234, pl. 8.
1825. [ANON.] Notice regarding the Breeding of the Peacock Parrot of South America [in confinement]. < *Edinb. Philos. Journ.*, xii, 1825, pp. 184, 185.  
 From *Bulletin Universel*. Cf. *Mém. du Mus. d'Hist. Nat.*, x, 1823, pp. 309-313, and *Féruss. Bull.*, 2<sup>e</sup> sect., ii, 1824, p. 203.
1825. VIGORS, N. A. On a new genus of Psittacidae. < *Zool. Journ.*, ii, 1825, pp. 387-390.  
 This is a subhead, being part of the third instalment (pp. 368-405) of the series of papers entitled "Sketches on Ornithology; or," etc.  
 The new genus is *Psittacara*, p. 387; of which are described *Ps. frontatus*, p. 389, and *Ps. lichtensteini*, p. 390, spp. nu.  
*Féruss. Bull.*, ix, 1826, pp. 91, 92; *Isis*, 1830, pp. 1043-1045.
1826. LESSON, R. P. Sur un genre nouveau de la famille des Perroquets; par Vigors. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ix, 1826, p. 91, 92.  
*Psittacara*. Extrait du *Zool. Journ.*, ii, 1825, pp. 357-390, q. v.
1826. LESSON, [R. P.] Description de quelques objets de zoologie rares, intéressans ou mal décrits; par N. A. Vigors . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, p. 105.  
*Zool. Journ.*, iv, Janv. 1825, p. 526.
1826. LESSON, R. P. Esquisses ornithologiques, etc.; observations sur le groupe des Psittacidae, et sur les Perroquets connus des anciens; par N. A. Vigors. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, pp. 111, 112.  
 "Zool. Journ., avril 1825, p. 37."
1827. VIGORS, N. A. A Reply to some Observations in the "Dictionnaire des Sciences Naturelles," upon the newly characterized groups of the Psittacidae. < *Zool. Journ.*, iii, 1827, pp. 91-123.
1829. MICHEL. — Les Perroquets, | leur éducation physique et morale; | ouvrage | dans lequel on établit des moyens pour les | guérir de leurs maladies. | Par Michel, | Bachelier ès-lettres, | ancien oiselleur du roi de Westphalie. | Paris. | Audot, Libraire-Éditeur, | rue des Maçons-Sorbonne, N<sup>o</sup>. 11. | 1829. 1 vol. 18mo. 2 p. ll., pp. 1-146, 1 l.
1829. TEMMINCK, C. J. Notice sur quelques espèces nouvelles d'oiseaux des genres Psittacus et Columba dans le Muséum de la Société linnéenne par C. J. Temminck. (Lin. transact. xiii. P. 1. p. 107.). < *Oken's Isis*, Bd. xxii, 1829, pp. 1194-1209.  
 Le mémoire ici se trouve reproduit en entier, des *Linn. Soc. Trans.*, 1821, q. v.

1830. VIGORS, N. A. Seltene Gegenstände aus der Zoologie [Papageyen aus Australien]. < *Oken's Isis*, Bd. xxiii, 1830, pp. 824, 825.  
Aus der *Zool. Journ.*, Vol. i. Nr. iv, 1825, p. 526.
1830. VIGORS, N. A. Ornithologische Skizzen. Fortsetzung. Ueber die den Alten bekannten Papageyen. < *Oken's Isis*, Bd. xxiii, 1830, pp. 831-839.  
Aus der *Zool. Journ.*, Vol. ii, Nr. 5, April 1825, p. 37.
1830. VIGORS, N. A. Psittacara, neue Sippe der Psittaciden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1043-1045.  
Uebers. aus d. *Zool. Journ.*, ii, 1825, pp. 387-390.
1831. BENNETT, E. T. Observations on the Hyacinthine Maceaw. < *London's Mag. Nat. Hist.*, iv, 1831, pp. 211-213.  
Technical and historical.
1832. LEAR, E. Illustrations | of | the family of | Psittacidae, | or | Parrots: | the greatest part of them | species hitherto unfigured, | containing forty-two lithographic plates, | drawn from life, and on stone, | By Edward Lear, A. L. S. | — | London: | published by E. Lear, 61 Albany street, Regent's Park. | — | 1832. 1 vol. folio. Title, list of subscribers, dedication, list of plates, each 1 leaf; and 42 colored plates.  
These plates are the most beautiful illustrations of Parrots, drawn with art as well as with fidelity to nature. There is no text. The following is a list of the plates:  
1. *Psittacus buliceps*. 2. *Ptyctolophus rosaceus*. 3. *P. galeritus*. 4. *P. sulphureus*. 5. *P. leadbeateri*. 6. *Calyptorhynchus baudini*. 7. *Macrocerus aracanga*. 8. *M. araraina*. 9. *M. hyacinthinus*. 10. *Psittacara patachonica*. 11. *P. leptorhyncha*. 12. *P. nana*. 13. *Nanos undulatus*. 14. 15. *Platycercus erythropterus*. 16. *P. tabuensis*. 17. *P. bauei*. 18. *P. barnardi*. 19. *P. palliceps*. 20. *P. brownii*. 21, 22. *P. pileatus*. 23. 24. *P. stanleyi*. 25. *P. unicolor*. 26. *P. pacificus*. 27. *Palaeornis nove-hollandiae*. 28. *P. melanura*. 29. *P. anthopeplus*. 30. *P. rosaceus*. 31. *P. columboides*. 32. *P. cucullatus*. 33. *P. torquatus*. 34. *Trichoglossus rubritorquis*. 35. *T. matoni*. 36. *T. versicolor*. 37. *Lorius domicella*. 38. *Psittacula kuhlii*. 39. *P. tarantur*. 40. *P. torquata*. 41. *P. rubrifrons*. 42. *P. swinderiana*.
1832. WAGLER, [J.] Monographia | Psittacorum. | Auctor [Joannes] Wagler. | [n. d. n. p. München. 1832.] 4to. Halb-titel, 1 Blatt, Vorwort 2 Blätter, pp. 469-750, Taf. illum. xxii-xxvii.  
The pagination and also the numeration of the plates show this book to be a part of something else. It is extracted from the *Denksch. Acad. München*, i, 1832, without indication of the fact. Wagler's pieces mostly have some mechanical defect of date, title, pagination, or other, showing either ignorance or negligence of the requirements of workmanlike printing.  
Gedrängter Ueberblick der Geschichte der Papageien, p. 469; Die Papageien der Alten, p. 470; Die Pap. Asiens, p. 474; Die Pap. Africa's, p. 476; Die Pap. America's, p. 478; Die Pap. Australiens, p. 481. Gedrängter Vergleich der Pap. mit dem Nager und Einiges über ihre Stellung im natürlichen Systeme, p. 483.—Conspectus systematicus generum et specierum ex ordine Psittacorum, adjectis generum characteribus, pp. 489-505. *Polytelis*, p. 489; *Nymphicus*, *Prioniturus*, p. 490; *Deroptyus*, *Euphema*, p. 492; *Charmosyna*, p. 493; *Eos*, *Coriphilus*, p. 494; *Domicella*, *Electus*, *Psittacodis*, p. 495; *Pionus*, p. 497; *Nasiterna*, p. 498; *Tricharia*, *Sittace*, p. 499; *Tanygnathus*, *Coracopsis*, p. 501; *Dasyptilus*, p. 502; *Corydon*, *Cacatua*, p. 504; *Licmetis*, *Nestor*, p. 505, are genera, apparently new, of Wagler's.  
Exposito specierum, pp. 506-697, gives the full description of the species, among which are doubtless many new ones; but none are marked as such.  
Characteres specierum ex ordine Psittacorum, pp. 698-738; Psittaci auctori dubii, pp. 739-747; Index, pp. 748-750.  
Pl. xxii, *Electus linnæi*; xxiii, *Psittacodis paragua*; xxiv, f. 1. *Pionus vulturinus*, f. 2, *Sittace cuops*; xxv, *Sittace pachyrhyncha*; xxvi, *Sittace glauca*; xxvii, *Calyptorhynchus stellularis*.
1834. VIGORS, N. A. [Kein Gabelbein bei Psittacus, u. s. w.] < *Oken's Isis*, Bd. xxvii, 1834, p. 820.  
Auszug aus *Philos. Mag.*, Bd. ix, 1831.
1835. PÖPPIG, [E.] *Psittacus cyanolyseos* Mol. < *Arch. f. Naturg.*, i, (1,) 1835, pp. 87, 88.  
Cf. Poeppig, *Reise in Chili*, u. s. w., i, 1835, p. 451.



1836. SELBY, P. J. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc. | Vol. X. | — | Ornithology. | Parrots. | By Prideaux John Selby, Esq., | F. R. S. E., F. L. S., M. W. S., etc., etc. | — | Edinburgh: | W. H. Lizars, [etc.]. [No date, 1836.] 1 vol. sm. 42mo. Portrait of Bewick, eng. col'd title, other title, contents, each 1 leaf, pp. 7-219, cuts, pll. col'd 1-30 (+ portrait and vignette = 32 pll.).

Being Vol. VI of general arrangement. Contains memoir of Bewick, likewise of D'Aubenton, and an account of *Psittaci*.

Pl. 1, *Palorornis barrabandi*; 2, *alexandri*; 3, *malaccensis*. 4, *Arara patagonica*. 5, *Microcerus militaris*; 6, *M. ararauna*; 7, *M. aracanga*. 8, *Psittacara nobilis*. 9, *Psittacus festinus*; 10, *Ps. erythacus*. 11, *Agapornis swinderianus*. 12, *Nestor hypopolius*. 13, *Ptyctolophus leadbeateri*; 14, *P. sulphureus*. 15, *Calyptorhynchus stellatus*. 16, *Microglossus aterrimus*. 17, *Dasyptilus pequetii*. 18, *Lorius domicillus*. 19, *Charmosyna papuensis*. 20, *Trichoglossus stevensoni*; 21, *T. versicolor*; 22, *T. pyrrhopterus*. 23, *Coriphilus kuhlii*. 24, *Psittaculus galgulus*. 25, *Platycercus pennantii*; 26, *P. puliceps*. 27, *Nannodes venustus*; 28, *N. undulatus*. 29, *Pezoporus formosus*. 30, *Nymphicus nova hollandie*.

This is rather sketchy, an outline of the family, with figures of the leading types.

1836. VIGORS, N. A. [Characters of two new Parrots (*Psittacus augustus* and *P. guildingii*).] < *P. Z. S.*, iv, 1836, p. 80.

1836. WHITE, W. H. Facts on the Measure of the Length of Life of a Species of Parrot; with Suggestions for ascertaining the Average Period of Existence of the whole Animal Creation; and an Anecdote of a Parrot. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 347-349.

1837-38. BOURJOT ST.-HILAIRE, A. Histoire Naturelle | des Perroquets, | troisième volume | (supplémentaire), | pour faire suite aux deux volumes de Levaillant, | contenant les espèces laissées inédites par cet auteur ou récemment découvertes. | Ouvrage destiné | à compléter une monographie figurée de la famille des Psittacidés, le texte renfermant la | classification, la synonymie, et la description de chaque espèce; | suivi d'un index général des espèces décrites dans tout l'ouvrage; | par le docteur | Al. Bourjot Saint-Hilaire, | Professeur du Zoologie au Collège Royale de Bourbon. | Les figures lithographiées et coloriées avec soin | par | M. Werner, | Peintre attaché au Muséum d'Histoire Naturelle. | — | Paris, | Chez P. G. Levrant, Libraire Éditeur, rue de la Harpe, n.º 81. | Strasbourg, | même maison, rue des Juifs, n.º 33. | 1837-1838. 1 vol. in-fol. grand Jésus. pp. i-xlii (faux titre, titre, dédicace, préface, introduction, index generalis *Psittacorum*, table, liste des auteurs); Planches coloriées 114, avec le texte non paginé. Pub. par. livr. (29.)

Engelmann cites the work by a somewhat different title, beginning "Collection des Perroquets", etc., and gives 1835-39 as dates of the appearance of 29 livraisons. Above title is from a bound copy in Libr. Phila. Acad.; the wrappers of the parts not being preserved, I cannot give their respective dates.

As expressly stated in the title, this Iconography is designed as a third (supplementary) volume to Levaillant's *Histoire Nat. de Perroquets*, 2 vols, 1801-5. A fourth companion volume was added to the series of illustrations in 1857-58, by De Soudane.

The plates of the present series are as follows:—Pl. 1, *Psittacus bengalensis*; 2, *P. torquatus*; 3, 3 bis, *P. colomboides*; 4, *P. barrabandi*; 5, *P. melanurus*; 6, *P. rosaceus*; 7, *P. anthopeplus*; 8, *P. undulatus*; 9, *P. rufifrons*; 10, *P. chrysostomus*; 11, *P. auricomus*; 11 bis, *P. nova hollandie*; 12, *P. cornutus*; 13, *P. illigerii*; 14, *P. glauca*; 15, *P. glauca minor*; 16, *P. cobaltina* (mob.); 17, *P. caeruleo-frontata*; 18, *P. gonarouba*; 19, *P. patagonica*; 20, *P. nanday*; 21, *P. lepthorhinea* (sic); 22, *P. nobilis*; 23, *P. xanthoptera*; 24, *P. aana*; 25, *P. tiriba*; 26, *P. variegata melanura*; 27, *P. perlata*; 28, *P. albus*; 29, *P. flaviventris*; 30, *P. heterotis*; 31, *P. puliceps*; 32, *P. barnardi*; 33, *P. brownii*; 34, *P. viridis unicolor*; 35, 35 bis, *P. erythropterus*; 36, *P. pacificus*; 37, *P. nova zealandie*; 38, *P. tabuensis*; 39, *P. purpureocephalus*; 40, *P. caeruleo-barbatus* (mob.); 41, *P. dorso-caeruleus* (mob.); 42, 42 bis, *P. auricapillus*; 43, *P. euteles*; 44, 44 bis, *P. iris*; 45, *P. aurifrons*; 46, *P. placens* (mob.); 47, *P. xanthopterigius* (sic); 48, *P. toui gutture lateo*; 49, *P. gregarius*; 50, *P. passerinus*; 51, *P. scintillatus*; 52, *P. versicolor*; 53, 53 bis, *P. spatuliger*; 54, *P. flavirostris*; 55, 55 bis, 56, *P. mitratus*; 57, *P. cyanogaster*; 58, *P. leucogaster*; 59, *P. rufiventris*; 60, *P. scutellatus*; 61, *P. meyeri*; 62, *P. accipitrinus*; 63, *P. augustus*; 64, *P. guildingii*; 65, *P. columbinus*; 66, *P. pretrei*; 67, *P. pequeti*; 68, *P. nova zealandie*; 69, *P. productus*; 70, *P. fuscus*; 71, 71 bis,

## 1837-38. BOURJOT ST.-HILAIRE, A.—Continued.

*P. banksianus*; 72, 72 bis, *P. temminckii*; 73, *P. baudinii*; 74, *P. rosea*; 75, 75 bis, 75 ter, *P. rubrogaleata*; 76, *P. tenuirostris*; 77, *P. leadbeateri*; 78, *P. rubrocristata* (nob.); 79, *P. sulfureus major*; 80, *P. sulfureus minor*; 81, *P. minor philippinarum*; 82, *P. albo-cristata*; 83, *P. interfringillacea*; 84, *P. Florentis* (nob.) *Desmarestii*; 86, *P. griseifrons* (nob.); 87, *P. rubrifrons*; 88, *P. cyano-pileata*; 89, *P. Philippensis vel coulu cissi*; 90, *P. rubricollis vel pullaria guienensis*; 91, *P. rosicollis*; 92, *P. malaccensis*; 93, *P. huetii*; 94, *P. loxia*; 95, *P. melanota*; 96, *P. cana*; 97, *P. torquato-squamata*; 98, *P. swinderiana*; 99, *P. tarantac*; 100, *P. pygmaeus*.

There are some interpolations in this series; but not all those presented as such in the table are actually present. I make out 111 plates by actual count. They were executed by Werner.

The nomenclature is very lax, scarcely satisfying the requirements of a system. The names in the text do not always correspond with those in the table, from which I have taken the above list; and the author's way of using names is difficult to make out, or see the point of. Only French names are engraven on the plates. This laxity or carelessness is a serious blemish upon an otherwise very praiseworthy and valuable monograph. There is about a leaf of text, descriptive, etc., to each plate.

"Many of the plates are original, others are copied from Spix, Temminck, or Lear; they are executed on stone, and though inferior to the works of Gould and Lear, they are perhaps the best ornithological lithographs which have issued from the French press. The text of this work is prepared with considerable care, but the nomenclature wants precision, the latin names being often wrongly spelled, and the principles of binomial nomenclature often departed from. Thus the genus *Puleornis* is in one instance designated *Psittacus*, in another *Psittacus sagittifer*, and in a third *Conurus sagittifer*, with the addition in each case of a specific name." (*Strickl. Rep. Brit. Assoc. for 1844, 1845, p. 198.*)

1838. ANON. Disquisitiones anatomicae Psittacorum, diss. inaug. auct. M. J. Thuet. Turici, apud Orell. 1838. 4. 36. T. 2. < *Oken's Isis*, Bd. xxxi, 1838, p. 231.

1838. THUET, M. J. Disquisitiones anatomicae Psittacorum. Dissertatio inauguralis. Turici. Orellii, Fuesslini et Soc. 1838. 4to. pp. 36. pl. 2.

Not seen.

1838. VIGORS, N. A. [*Psittacus augustus*, *Ps. guildingii*.] < *Oken's Isis*, Bd. xxxi, 1838, p. 195.

Ans *P. Z. S.*, iv, 1836.

1839. ROUSSEAU, L. F. E. Note sur un nouvel os découvert dans la tête des Perroquets. < *Revue Zoologique*, ii, 1839, pp. 352, 353, pl. 2, figg. 3, 4, 5.

Désigné sous le nom de l'os Inter-carré-tympano-auditif.

1840. JACQUEMIN, [E.] [Sur un os observé par M. E. Rousseau dans la mâchoire des Perroquets et décrit comme nouveau par cet anatomiste.] < *Compt. Rend. de l'Acad. Sci.*, x, 1840, pp. 139, 140.

L'auteur soupçonne que cet os n'est autre chose qu'une pièce qu'il a lui-même indiqué dans son Mémoire sur la Corneille.

1840. ROUSSEAU, [L. F. E.] Sur un os nouvellement découvert dans la mâchoire des perroquets. < *Compt. Rend. de l'Acad. Sci.*, x, 1840, pp. 251, 252.

Voir *C. R.*, tom. cit., p. 139.

N'est point, comme l'a supposé M. Jacquemin, une pièce dépendante du système des canaux aériens du squelette, mais une pièce propre aux oiseaux du genre *Psittacus*.

1840. ROUSSEAU, [L. F.] E. [Observations au sujet de l'os que l'on trouve à la tête des Perroquets.] < *Revue Zoologique*, iii, 1840, pp. 57-59.

Voir *op. cit.*, ii, 1839, p. 352.

1842-55. BREHM, C. L. Monographie | der | Papageien | oder | vollständige Naturgeschichte aller bis jetzt | bekannten Papageien mit getreuen und | ausgemalten Abbildungen, | im Vereinemit andern Naturforschern | herausgegeben | von | C. L. Brehm | Pfarrer zu Renthendorf, der Kaiserl. Leopoldinischen Akademie Naturforscher und mehrerer gelehrten und | naturwissenschaftlichen Gessellschaften mit- oder Ehrenmitglieder. | — | Jena | August Schmid, | Paris | Treuttel et Wirtz, Rue de Lille No. 17. | 1842 [-1855]. folio. pub. in Parts. 1 Heft, 1842; 2 Heft, 1843; 3 Heft, 1845; 4 Heft, 1853; 5 Heft, 1852; 6 Heft,

1842-55. BREHM, C. L.—Continued.

1853; 7 Heft, 1853; 8 Heft, 1853; 9 Heft, 1853; 10 Heft, 1854; 11 Heft, 1854; 12 Heft, 1854; 13 Heft, 1855; 14 Heft, 1855.

The copy examined of this work consists of 2 prel. pages (title and dedication), pp. 1-60 of text, and 70 colored plates. It appears to be incomplete, the text breaking off abruptly in the middle of a sentence on page 60, at species 34, already calling for plate 72; it has covers of the 11 Hefts above indicated bound in at the end. The dates on these covers are mostly in manuscript, presumably of some one who knows, but I cannot vouch for their accuracy; in fact, there seems to be some oversight, as the dates do not all follow consecutively the successive issues of the Parts. The text consists of a general account of each species, chiefly synonymy, descriptive, and critical. The plates are as follows:—

Pl. 1, *Psittacus nactus*; 2, *P. araranga*; 3, *P. tricolor*; 4, *P. hyacinthinus*; 5, *P. militaris*. 6, *Arara hyacinthinus*; 7, *A. araranga*; 8, *A. buffonii* (Brehm, page 6); 9, *A. purpureo-dorsalis*; 10, *A. macarouana*; 11, *A. sericeus*; 12, *A. macroganthos*; 13 missing (= *Anodorhynchus maximiliani*, see *Arara hyacinthinus*); 14, *Aratinga carolinæ-augustæ*; 15, *Arat. haemorrhous*; 15 bis, *Aratinga chryscephalus*; 16, *Aratinga aurifrons*; 17, *A. luteus* sive *garabuba*; 18, f. 1, *A. calzona*, f. 2, *A. nians*; 19, *A. cyanogularis*; 20, *A. aureus*; 21, *A. xanthopterus*; 22, *A. acutirostris*; 23, *A. flaviventer*; 24, *A. latus*; 25, *A. fasciatus*; 26, *A. melanurus* (sic); 27, *A. "guianensis"* (so lettered, being *A. nobilis* of the text, p. 21); 28, *A. guianensis*; 29, 30, *A. pertinax*; 31, *A. virescens*; 32, *Psittacus passerinus*; 33 (numbered 34 by mistake, see text, p. 26). *Ps. xanthopterygius*; 34, *P. gregarius*; 35, *P. lui*; 36, *P. swindermanus*; 37, *Psittacus xantops* (sic); 38, *P. columbianus*; 39, *P. malachitaceus*; 40, *P. pusillus*; 41, 42, *P. pileatus*, ♂, ♀ (42 being *P. diademata* of text, p. 33); 43, *P. diademata* (43 being *senilis* of text, p. 34); 44, *P. senilis* (44 being *pulverulentus* of text, p. 34); 45, *P. pulverulentus*; 46, *P. senilis*; 47, *P. accipitrinus*; 48, *P. menstruus*; 49, *P. cestivus* (for *estivus*); 50, *P. amazonicus*; 51, *P. amazonicus*; 52, *P. melanocephalus*; 53, *P. barabandi*; 54, *P. bouqueti*; 55, *P. cyanotis*; 56, *P. aureus*, Bechst., nec L.; 57, *P. autumnalis*; 58, *P. paradisi*; 59, *P. cervicalis*; 60, *P. mascarinus*; 61, *P. menstruus*, ♀; 62, *P. senegalus*; 63, *P. gramineus*; 64, *P. melanocephalus*; 65, *P. geoffroyi* (sic); 66, *P. erythacus* (for *erythacus*); 67, *P. domicella*; 68, *P. cyanurus*; 69, *P. guibensis*; 70, *P. ochropygus* (sic). Those asterisked uncolored in copy examined. Text of p. 60 calls for—Pl. 71, *P. garrulus*; Pl. 72, *P. unicolor*; these not found.

Since the above was written I have fortunately found a copy in the original cover-titles, giving further particulars, as follows:—

Heft 1, 1842, title, pp. 1-4, pll. 1-5; II, 1843, pp. 5-8, pll. 6-10; III, 1845, pp. 9-12, pll. 11-15; IV, 1853, pp. 13-16, pll. 16-20; V, 1852, pp. 17-20, pll. 21-25; VI, 1853, pp. 21-24, pll. 26-30; VII, 1853, pp. 25-28, pll. 31-35; VIII, 1852, pp. 29-32, pll. 36-40; IX, 1853, pp. 33-36, pll. 41-45; X, 1854, pp. 37-40, pll. 46-50; XI, 1854, pp. 41-44, pll. 51-55; XII, 1854, pp. 45-48, pll. 56-60; XIII, 1855, pp. 49-52, pll. 61-65; XIV, 1855, pp. 53-56, pll. 66-70.

Comparison of these two copies shows that there are in this work 14 perfect Parts, of pp. 56 and pll. 70; and also a 15th incompleting Part, raising the text to pp. 60, but apparently lacking pll. 71 and 72, called for by the text.—I handled the bound copy in the Congressional Lib., the other in the Lib. of the Phila. Acad.

1842. KUHLMANN, H. De absentia farenlæ in Psittaco pullario et de regione animalium vectratorum humerali præcipue avium. Dissertatio inauguralis medica. Auctore Henrico Kuhlmann. Kilie. 1842.

Haud mihi obvia.

1845. DES MURS, O. Notes sur une espèce de Perruche nouvelle. < *Revue Zoologique*, viii, 1845, p. 449.

1846. ANON. The [ Parrot-Keeper's ] Guide. [ — ] Comprising, [ the Natural History of ] Macaws, Cockatoos, Parrots, Lories, [ Parakeets, and Love-Birds; ] with [ general observations on the best modes of treatment, [ the diseases to which they are subject, and [ methods of cure, &c. ] — ] By an experienced dealer. [ Figure. ] [ London: ] Thomas Dean & Co. Threadneedle-Street. 1 vol. 16mo. [ n. d. 1846. ] pp. 18, 6 col'd pll., and other illustrations.

1847. LAFRESNAYE, F. DE. Quelques oiseaux nouveaux de Bolivie et de Nouvelle-Grenade. < *Revue Zoologique*, x, 1847, pp. 65-76.

Les trois oiseaux ici décrits sont de la famille des *Psittacidés*—*Ara rubro-genys*, p. 65; *A. castaneifrons*, p. 66; *Pionus melanotis*, p. 67.

1849. [JARDINE, W.] *Pionus guichenoti*, Jardine [n. sp.]. < *Jard. Contrib. Orn.*, 1849, pp. 64, 65, pl. xxviii.

1849. VERREAUX, J., and DES MURS, O. Description d'une nouvelle espèce de Perroquet [Pionus fuscicapillus]. < *Rev. et Mag. de Zool.*, i, 1849, p. 58.
1850. BONAPARTE, C. L. Nouvelles espèces ornithologiques. < *Compt. Rend. de l'Acad. Sci.*, xxx, 1850, pp. 131-139, 291-295.
- Première Partie, Perroquets (y comprise *Lophornis* (i. e., *Diphylloides*) *republica*, sp. n., p. 131, note; voir note, p. 291.—*Paradisæidæ*). *Conurus xanthopygius*, p. 132; *Barrabandius*, p. 133; *Trichoglossus forsteni*, p. 134; *Chalcopsitta* (g. n., 1849) *rubiginosa*, p. 134; *Eos cyanogenia*, *E. semilareata*, *Eclectus cornelia*, p. 135; *Psittacodis intermedius*, *Tanygnathus mulleri*, p. 136; *Poiocephalus magnirostris*, *Geffroyus cyanicollis*, *G. personatus*, p. 137; *Ptyctolophus parvulus*, p. 139, sont des espèces nouv. ou récemment décrites.—Seconde Partie, *Accipitres* (*Cathartidæ*, *Vulturidæ*, *Gypætidæ*, *Gypohieraciæ*, *Gypogeranidæ*), point d'espèces nouvelles.
1850. BONAPARTE, C. L. Nouvelles espèces ornithologiques. < *Rev. et Mag. de Zool.*, ii, 1850, pp. 124-127.
- Extraites des *Compt. Rend. de Acad. des Sci. de Paris*, séance du 11 février, 1850.—Aperçu général de l'ordre des Psittacidés: sept sous-familles.
1854. BONAPARTE, C. L. Tableau des Perroquets. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 145-158.
- §1. Critique sur les espèces décrites par MM. Masséna et De Souancé, *R. M. Z.*, 1854, pp. 71-74; *Graydidascalus*, gen. n., p. 147. §2. Monographie du genre *Pionus*, pp. 148, 149; *P. corallinus*, p. 149. §3. Conspectus Psittacorum, pp. 149-158; *Cyanopsitta*, *Ararauna*, *Aracana*, *Rhyncopsitta*, p. 149; *Cyanoliseus*, *Nandayus*, *Heliopsitta*, *Eupsittula*, *Microsittace*, *Miropsitta*, p. 150; *Tirica*, *Psittorinus*, *Eropsitta*, *Enochrus*, p. 151; *Pionopsitta*, *Belurus*, p. 152; *Prosopeta*, *Purpureicephalus*, *Barnardius*, *Barrabandius*, *Cyanoramphus*, p. 153; *Poliopsitta*, p. 154; *Trochiscus*, *Starorhinus*, *Eolophus*, p. 155; *Chalcopsitta*, p. 156; *Psittenteles*, *Glossopsitta*, p. 157, "Bp." —4 familles, 15 sous-familles, 78 genres, 316 espèces; les genres et les espèces introduits pour la première fois (mais sans descriptions) se trouvent précédés d'un astérisque. *Trichoglossus masséna*, *T. verreauxius*, p. 157, spp. na., avec deser.
- This paper is conceived in the same fatuous spirit, and executed with the same disreputable result, as that on the *Trochilidæ*, which I have criticised adversely in this Bibliography.
1854. MASSÉNA, —, and SOUANCÉ, [C.] DE. Description de quelques nouvelles espèces d'oiseaux de la famille des Psittacidés. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 71-74.
- Ara auritorques*, *Conurus icterotis*, *C. rubrolarvatus*, p. 71; *C. chrysogenys*, *C. callipterus*, p. 72; *C. devillei*, *C. moline*, *Psittacus selinoides*, p. 73; *Ps. cobaltinus*, p. 74. Cf. *op. cit.*, 1854, pp. 146-148.
1855. CASSIN, J. Description of new species of Psittacidæ, in the collection of the Academy of Natural Sciences of Philadelphia. < *Journ. Acad. Nat. Sci. Philadæ.*, iii, pt. ii, Dec., 1855 (extra copies printed Nov., 1855), art. xii, pp. 153-156, pll. xii, xiii, xiv.
- Ara auricollis*, pl. xii (deser. orig. *Proc. Acad.*, 1853, p. 372). *Chrysotis viridigenalis*, pl. xiii (deser. orig. *Proc. Acad.*, 1853, p. 371). *Psittacula lineola*, pl. xiv, f. 1 (deser. orig. *Proc. Acad.*, 1853, p. 372). *Brotozeris aurifrons*, n. sp., p. 155, pl. xiv, f. 2. *Prioniturus flavicans* (deser. orig. *Proc. Acad.*, 1853, p. 373) fig. nulla. *Palaeornis gironieri* Verr. (= *P. viridicollis*, deser. orig. *Proc. Acad.*, 1853, p. 373), fig. nulla.
1856. BLANCHARD, E. Des caractères ostéologiques chez les Oiseaux de la famille des Psittacidés. < *Compt. Rend. de l'Acad. Sci.*, xliii, 1856, pp. 1097-1100.
- Extrait par l'auteur.
1856. SOUANCÉ, C. DE. Catalogue des perroquets de la collection du prince Masséna d'Essling, duc de Rivoli, et observations sur quelques espèces nouvelles ou peu connues de Psittacidés. < *Rev. et Mag. de Zool.*, viii, 1856, pp. 56-64, 152-157, 208-226.
- "Ne voulant, dans cet opuscule, considérer cet ordre d'Oiseaux que sous le point de vue spécifique, nous laisserons de côté toute idée de la classification générale, nous bornant à suivre celle adoptée par S. A. le prince Ch. Bonaparte dans son Conspectus Psittacorum." (*Rev. et Mag. de Zool.*, 1854, pp. 145-158.)—*Psittacara hahni*, p. 58; *P. chloroptera*, *P. maugei*, p. 59; *Chrysotis chloronota*, p. 153; *C. coccineifrons*, p. 154; *Poiocephalus aubryanus*, p. 216; *Loriculus regulus*, p. 222; *L. bonapartei*, p. 222; *Nestor esslingii*, p. 223.—218 spp.
1856. SOUANCÉ, C. DE. [Description d'une nouvelle espèce de Perroquet, *Myiopsitta tigrina*.] < *Rev. et Mag. de Zool.*, viii, 1856, p. 144.

1357. BLANCHARD, É. Nouvelles observations sur les caractères ostéologiques chez les oiseaux de la famille des Psittacides. < *Compt. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 518-521.
1857. BLANCHARD, É. Nouvelles observations sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 112, 113.  
Résumé d'un travail lu à l'Acad. de Paris, séance du 9 mars 1857.
1557. BONAPARTE, C. L. Remarques du Prince Bonaparte à propos des observations de M. Emile Blanchard sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Compt. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 534-539.  
*Myiopsitta catherina*, p. 538.
1857. BONAPARTE, C. L. Remarques à propos des observations de M. E. Blanchard sur les caractères ostéologiques chez les Oiseaux de la famille des Psittacides. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 113-117.
1857. BONAPARTE, C. L. Tableau des genres de Perroquets disposés en series parallèles. < *Comp. Rend. de l'Acad. Sci.*, xliv, 1857, pp. 595-597.
1857. MAXIMILIAN, PRINZ VON WIED. Ueber den Papagei von Nord-America. *Psittacus* (Conurus) carolinensis. Lin. < *J. f. O.*, v, 1857, pp. 97-105.  
Elaborate description and account of geographical distribution and habits.
1857. SCLATER, P. L. Notes on an unnamed Parrot [*Chrysotis sallaei*] from the Island of St. Domingo, now living in the Society's Gardens: and on some other Species of the same Family. < *P. Z. S.*, xxv, 1857, pp. 224-226, pl. (Aves) cxxvii.
1557. SOUANCÉ, C. DE. Descriptions de trois nouvelles espèces de Perroquets. < *Rev. et Mag. de Zool.*, ix, 1857, pp. 97, 98.  
*Conurus astee* [sic], *Pyrrhura hoematotis* [sic], p. 97; *Cyanoramphus matherbi*, p. 98.
- 1557-58. SOUANCÉ, C. DE. Iconographie | des | Perroquets | non figurés dans les publications de Levaillant et de M. Bourjot Saint-Hilaire | par | M. Charles de Souancé | avec la coopération de | S. A. le prince Bonaparte, et de M. Émile Blanchard | — | Histoire Naturelle des Perroquets. | — | Paris | P. Bertrand | Libraire-Éditeur | Rue de l'Arbre-sec, 22 | — | 1857 [1858]. 1 vol. in fol. grand jésus. Faux titre, 1 feuillet; titre, 1 feuillet; introduction, 1 feuillet (2 pages); le Texte non paginé, 48 feuillets; et 48 Planches coloriées. (Publiée par livr. i-xii, 1857, 1858.)  
Levaillant a publié les figures et descriptions de 90 espèces de Perroquets, dans son *Hist. Nat. des Perroq.*, en deux vols. in-fol. 1801-1805. En 1837-38, M. Bourjot St.-Hilaire a représenté 88 autres espèces, dans son ouvrage, rédigé sur le même plan, *Hist. Nat. des Perroq.*, qui forme la suite ou le troisième vol. (supplémentaire) de l'Iconographie de Levaillant. Cette Iconographie de M. de Souancé forme le quatrième volume de *l'Hist. Nat. des Perroq.* de Levaillant et M. Bourjot St.-Hilaire. Elle contient les figures des espèces qui ne se trouvent pas dans les trois volumes publiés par les deux auteurs, accompagnées d'une courte description, et des détails anatomiques. L'auteur a trouvé les matériaux de son ouvrage d'abord dans la riche collection de son oncle, le prince d'Essling, dans celle du Jardin des Plantes à Paris, et dans les divers musées de France et de l'étranger.  
Voici la liste des planches: Pl. I, f. 1, *Anoderhynchus leari*; f. 2, *A. glaucus*. II, *Sittace primoli*. III, *S. rubrigenis*. IV, *Eropsitta aenticauda*. V, *Rhyacopsitta pachyrhyncha*. VI, *Psittacara hahni*. VII, *Eropsitta euops*. VIII, *E. maugei*. IX, *Conurus petzli*. X, *C. caclorum*. XI, *C. chrysophrys*. XII, *C. aztec*. XIII, *C. naus*. XIII, *C. weddellii*. XIV, *Pyrrhura luciani*. XV, *P. molinae*. XVI, *P. derillei*. XVII, *P. calliptera*. XVIII, *P. haematotis*. XIX, *Psittacara heterotis*. XX, *Eropsitta wagleri*. XXI, *Eropsitta mitrata*. XXII, *E. erythrogæus*. XXIII, *Bolborhynchus aymara*. XXIV, f. 1, *B. orbignesia*; f. 2, *B. aurifrons*. XXV, *Pyrrilia amazonina*. XXVI, *P. typica*. XXVII, *Chrysotis auripalliatu*. XXVIII, *C. poecilorhyncha*. XXIX, *C. chloronota*. XXX, *C. albifrons*. XXXI, *C. viridigenalis*. XXXII, *C. diadema*. XXXIII, *C. hypochondrica*. XXXIV, f. 1, *Pionus sisy*; f. 2, *P. maximiliani*. XXXV, *P. chalcopterus*. XXXVI, *P. seniloides*. XXXVII, *Trochona purpurata*. XXXVIII, *T. surda*. XXXIX, *Psittacula guianensis*. XL, *P. carlesii*. XLI, *P. conspicillata*. XLII, *P. cyanopygia*. XLIII, *Palæornis schisticeps*. XLIV, *P. calthropæ*.

## 1857-58. SOUANCÉ, C. DE.—Continued.

XLV, *Tanygnathus mulleri*. XLVI, *T. sumatranus*. XLVII, *Barnardius zonarius*. XLVIII, (énumérée à tort LXXIX) *Cyanoramphus malherbi*.

(NOTE.—Carus announces the work as of two parts: 1) *Hist. Nat.*, 1 vol., 8vo. to be pub. in 1859. and 2) *Iconogr.*, 1 vol., fol. or 4to. with about 120 pll. in 30 monthly parts; but all I know of the work is as above.)

1858. SCLATER, P. L. Notes on an unnamed Parrot [*Chrysotis sallæi*] from the Island of St. Domingo: and on some other Species of the same Family. < *Ann. Mag. Nat. Hist.*, 3d ser., i, 1858, pp. 223-226.

From *P. Z. S.*, Nov. 10, 1857, pp. 224-226.

1858. SCLATER, P. L. Verzeichniss der in den Gärten der zoologischen Gesellschaft zu London lebenden Papageien. < *Naumannia*, viii, 1858, pp. 201-204. 77 spp.1859. SCLATER, P. L. Descriptions of two new Species of American Parrots. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, pp. 224-226.

*Conurus holochlorus*, p. 224; *C. xantholemus*, p. 225. List of 9 Mexican spp. of the family.

## 1859. GRAY, G. R. List of the Specimens of Birds in the collection of the British Museum. By G. R. Gray, F. L. S., F. Z. S., etc. Part III. Section II. Psittacidae. Printed by order of the Trustees. London: 1859. 1 vol. sm. 12mo. 2 p. ll., pp. 1-110, 1-s (advts.).

This List catalogues the specimens of Parrots in the British Museum, exemplifying by letters *a*, *b*, *c*, &c., the locality and source whence each has been derived. The scientific value of the treatise rests in the extensive synonymy of the genera and species which is given. Cf. *Ibis*, 1859, pp. 320, 321.

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*Domicella* is brush-tongued, like *Trichoglossus* and *Eos*.

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Recherches sur divers *Psittacides*.

1862. FÖRSTER, A. [Scrophulöse Drüse eines Papageies (*Psittacus amazoniens*).] < *Zool. Gart.*, iii, 1862, p. 66.1862. NEUBERT, W. Ueber Züchtung von Papageien in Deutschland. < *Zool. Gart.*, iii, 1862, pp. 57-61, 76-78.1863. FINSCH, O. Naamlijst der in de Diergaarde levende Papagaaijen. < *Nederl. Tijdschr. voor de Dierk.*, 1863, pp. vi-xxiv.

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1863. WEINLAND, D. F. Unsere Arara's. < *Zool. Gart.*, iv, 1863, pp. 244, 247, figg. 1-5.1864. AUCAPITAINE, H. Longévitè des Perroquets. < *Rev. et Mag. de Zool.*, xvi, 1864, pp. 409-411.1864. CABANIS, J. Eine neue Papageien-Art von Bogota, *Conurus* (*Gnathosittaca*) *Heinei*. < *J. f. O.*, xii, 1864, pp. 414-416.1864. SACC, Dr. [Begattung von *Platyercus eximius*. Neuer Amazon-Papagei. Perroquet tapiré.] < *Zool. Gart.*, v, 1864, p. 21.1864. SCHLEGEL, H. Psittaci. < *Mus. Hist. Nat. Pays-Bas*, 5<sup>e</sup> livr., 1864, pp. 1-166.

The Parrots, represented in the Leyden Museum by 1,204 specimens, referred by the author to 259 spp., none of which are described as new, are here treated under 19 genera, among them *Amazona*, Less.

There is a second article of similar character, 1874, *q. v.*

1864. SCHMIDT, MAX. Das Federnagen der Papageien. < *Zool. Gart.*, v, 1864, pp. 177-181.1864. SCLATER, P. L. Characters of Three New American Parrots. < *P. Z. S.*, xxiv, 1864, pp. 297, 298, pl. xxiv.

*Conurus rhodogaster*, Natt. mss., p. 298, pl. xxiv; *Brotopogon chrys. sema*, Natt. mss. p. 298. *Chrysotis finschi*, p. 298.

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1865. SCLATER, P. L. [Remarks on a rare Parrot (*Chrysotis augusta*) from Dominica.] < *P. Z. S.*, xxxiii, 1865, pp. 437, 438.
1866. FINSCH, O. Die geographische Verbreitung der Papageien. < *Peterm. Geogr. Mittheil.*, 1867 (pub. 1866), pp. 3-7 (mit einer Karte von A. Petermann).  
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1866. GUYON, —. Des animaux disparus de la Martinique et de la Guadeloupe depuis notre établissement dans ces îles. < *Compt. Rend. de l'Acad. Sci.*, lxiii, 1866, pp. 589-597.  
Des Aras, des Perroquets et des Perruches.
1866. [GUYON, —.] Ueber die Thiere, die auf den Inseln Martinique und Guadeloupe seit der Besitznahme durch die Franzosen verschwunden sind. < *Aus der Natur*, xxxviii, oder n. F., xxvi, 1866, pp. 730, 733.  
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Vol. I. Vorwort; Erklärungen; Allgem. Naturg. d. Papag. (Geschichtliches u. literarischer Ueberblick)—Äusseres Leben—Verbreitung—Geistesanlagen—Gestalt und äussere Werkzeuge—Federn—Anatomie—Systematik); Speciell Naturg. d. Papag.; Karte; Pl. I, Seelet von *Ps. erythacus* und Schädel von *Plect. sulfureus* u. *Euphema pulchella*. Vol. II. Vorwort; Uebers.-Tabellen zur geogr. Verbreit.; Speciell Naturg. fortgesetzt; Anhang (Dubiose Arten, etc.): Pl. II, *Erotogerys subcærulea*; Pl. III, *B. chrysosema*; Pl. IV, *Chrysotis guatemalæ*; Pl. V, *Coryllis exilis*; Pl. VI, *Domicella fuscata*.—*Bolborhynchus luchsii*, ii, p. 121, sp. n.  
Very complete. The first part general; historical and literary view of the subject; bibliographical abstract; biographical account; geographical distribution, illustrated by maps (pl. I); on the wit, external structure, pterylography and anatomy, and systematic arrangement; list of genera and species. In the second part each species is treated in great detail—1 “family”; 5 subfamilies; 26 genera, 350 + 4 spp., besides 41 doubtful ones.  
Cf. *Zool. Rec.*, iv, 1867, pp. 83-85; v, 1868, pp. 69-70; *Zool. Gart.*, 1867, pp. 318-320; *Ibis*, 2d ser., v, 1869, pp. 223-225.
1867. NIEMEIER, W. Zur Verfärbung von *Conurus carolinensis*. < *Zool. Gart.*, viii, 1867, p. 268.
1867. NOLL, F. C. Die Papageien, monographisch bearbeitet von Otto Finsch. Leiden, E. J. Brill 1867, ——— ?  
Review.—My copy of this title, I suspect, is defective: it looks to me like a title from *Zool. Gart.*, with the reference omitted through oversight; but I cannot verify.
1867. SCHLEGEL, F. Uebersicht der Papageien unserer zoologischen Gärten. < *Zool. Gart.*, viii, 1867, pp. 32-34, 72-75.
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Vergl. tom. cit., pp. 32-34, 72-75. Diese zwei Artikel geben ein Namen-Verzeichniss von 130 in verschiedenen zool. Gärten in Europa lebenden Arten.

1867. SCLATER, P. L. Notes upon some Parrots living in the [London Zoological] Society's Menagerie. < *P. Z. S.*, Feb. 14, 1867, pp. 183-185, pl. xvi.  
Comparative diagnoses of *Ara ambigua* and *A. militaris*. Plate of *Lorius chlorocercus*. Critical remarks on various species of *Cacatua*.
1868. [FINSCH, O.] Papegoiernes geografiske Udbredning. < *Tidssk. Pop. Fremss. af Naturv.*, 3<sup>e</sup> række, v. 1868, pp. 340-345.
1868. [FINSCH, O.] Uebersichts-Tabellen zur geographischen Verbreitung der Papageien. Abgeschlossen am 15. Juni 1868. [Von Dr. Otto Finsch. n. d. n. p. 1868.] 8vo. 11 unpagcd leaves.  
This brochure, without author's name, date, or place of publication, is apparently extracted from Finsch's celebrated monograph. It gives in tabular form the distribution of *Psittacide* under the six principal heads of America, Africa, Asia, East Indian regions, Australia, and Polynesia.
1869. BARBOZA DU BOCAGE, J. V. Museu Nacional de Lisboa | — | Secção Zoologica | — | Catalogo das Collecções Ornithologicas | — | Psittaci—Papagaios. | Accipitres—Aves de Rapina. | — | Junho de 1869 | [Arns.] | Lisboa | Imprensa Nacional | 1869 8vo. pp. 62.  
" . . . enceto agora a publicação dos catalogos das collecções zoologicas do musen du Lisboa. Os primeiros que se pde levar á conclusão comprehendem duas ordens de aves, os *Psittacideos* ou *papagaios* e as *Aves de rapina*. Estes catalogos foram redigidos pelo sr. José Augusto de Sousa. . . . Os *Psittacideos* [pp. 7-28] constam de 204 especies e as *Aves de rapina* de 223."
1871. LAWRENCE, G. N. [Notes on Central American Psittacide, with reference to O. Salvin's paper, tom. cit., p. 86 seq.] < *Ibis*, 3d ser., i, 1871, pp. 249-251.
1871. REINHARDT, J. [Note on the habitat of *Ara macao*, with reference to O. Salvin's paper, tom. cit., pp. 86-100.] < *Ibis*, 3d ser., i, 1871, p. 362.
1871. REY, E. [Der Carolinenpapagei (*Conurus carolinensis*) in Gefangenschaft.] < *Zool. Gart.*, xii, 1871, pp. 280-283.
1871. SALVIN, O. On the Psittacide of Central America. < *Ibis*, 3d ser., i, 1871, pp. 86-100, pl. iv.  
Critical commentary, with special reference to geographical distribution, upon 27 spp. of 9 gen. *Conurus finschi*, p. 91, pl. iv, sp. n. (Cf. Lawrence, *tom. cit.*, pp. 249-251, and Reinhardt, *ibid.*, p. 362.)
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1872. DÖRNER, H. Die Papageien-Anstellung der zoologischen Gärten zu Hamburg. Hamburg. 1872. 1 vol. 8vo. pp. 48.  
Short descriptions of 78 spp., living on exhibition—which, with the other matter of the book, are apparently from O. Finsch's monograph.
1872. REY, E. [Ein- und Ausliegen von Papageien, *Conurus carolinensis*.] < *Zool. Gart.*, xiii, 1872, pp. 123, 124.
1872. SCHMIDT, MAX. Fortpflanzung des Mönchsittichs (*Bolborhynchus monachus*) in Gefangenschaft. < *Zool. Gart.*, xiii, 1872, pp. 257-264.  
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1873. STRICKER, W. Geschichtliche Mittheilungen über den Handel mit Papageien und die Zülmung derselben in Europa bis zum Ende des Mittelalters. < *Zool. Gart.*, xiv, 1873, pp. 266, 267.
1874. CABANIS, J. [*Chrysotis canipalliata*, sp. n.] < *J. f. O.*, xxii, 1874, pp. 105, 106.
1874. CABANIS, J. [*Chrysotis panamensis*, sp. n.] < *J. f. O.*, xxii, 1874, p. 349.
1874. FINSCH, O. On an apparently new Species of Parrot [*Psittacula andicola*] from Eastern Peru. < *P. Z. S.*, xlii, 1874, pp. 90, 91.



1874. SCHLEGEL, H. Revue de la Collection des Perroquets (Psittaci) faisant partie du Musée des Pays-Bas. < *Mus. Hist. Nat. Pays-Bas*, 11<sup>e</sup> livr., Mai, 1874, pp. 1-84.  
In this review of the subject since 1864 (*q. v.*) are treated the specimens, now 2,237 in number, of the Leyden Collection. *Psittacula diophthalma aruensis*, p. 33.
1874. SCLATER, P. L. [Report on recent additions to the Society's Menagerie.] < *P. Z. S.*, xlii, 1874, p. 203, pl. xxxiv.  
*Chrysotis finschi*, pl. xxxiv.
1874. WALDEN, Lord. A Reply to Mr. Allan Humme's Review of 'Die Papageien' of Dr. Otto Finsch. < *Ibis*, 3d ser., iv, 1874, pp. 270-299.  
A terribly incisive castigation, delivered with an unflinching hand—with how much justice, readers of both articles may judge.
1875. FINSCH, O. Ueber drei neue Vögelarten. < *J. f. O.*, 1875, pp. 411—.  
The article includes the description of *Chrysotis nattereri*, p. —, from Brazil.
1875. SCLATER, P. L. On some rare Parrots living in the Society's Gardens. < *P. Z. S.*, Feb. 2, 1875, pp. 59, 62, figg. 1, 2, pll. x, xi.  
Treating of *Cacatua goffini*, pl. x, and fig. 1 in text, *C. sanguinea* (fig. 2) and *C. gymnaopis*; also, *Chrysotis bouqueti*, pl. xi, from Santa Lucia, and various South American species. Whole series in the menagerie, 186 specimens of 115 spp.
1875. [SCLATER, P. L.] [Addition of *Chrysotis xantholora* to the Society's Menagerie.] < *P. Z. S.*, Mar. 16, 1875, p. 157, pl. xxvi.
1875. [SCLATER, P. L.] [On additions to the Society's Menagerie in March, 1875.] < *P. Z. S.*, Apr. 20, 1875, pp. 316, 317.  
Various birds, among them *Chrysotis bouqueti* (see *P. Z. S.*, 1874, p. 323; 1875, p. 59, pl. xi), from Santa Lucia, W. I.
1875. SCLATER, P. L. [Report on additions to the Society's Menagerie, with Remarks on *Chrysotis xantholora*.] < *P. Z. S.*, Mar. 16, 1875, pp. 156, 157, pl. xxvi.  
The Parrot named is figured on the plate cited. There is no other bird matter.
1875. SELLER, W. J. A Talking Parrot. < *Rod and Gun*, vii, Dec. 18, 1875, p. 179.
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Brief observations on numerous species, some of them neotropical.
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1877. GARROD, A. H. Note on the Absence or Presence of a Gall-bladder in the family of the Parrots [Psittacidae]. < *P. Z. S.*, Nov. 20, 1877, p. 793.  
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Extended account of a long-tailed Parrot (not named); correction of mistakes in Finsch's work respecting various Argentine and Brazilian species.

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1879. SCLATER, P. L. Remarks on some Parrots living in the Society's Gardens. < *P. Z. S.*, Mar. 18, 1879, pp. 299-301, pl. xxviii.  
The series consisted of 170 individuals of 98 spp., 6 of which are here remarked upon—2 spp. of *Brotoperys*, 3 of *Palaornis*, and *Caica xanthomera*, which latter is figured.
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## Strigidæ.

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 le disque est complet ou presque complet, 1<sup>o</sup> *Syrnium*, 2<sup>o</sup> *Urolo*, 3<sup>o</sup> *Strix*.—Chouette Calong,  
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1850. GURNEY, J. H. Occurrence of the Snowy Owl [*Nyctea nivea*] in Norfolk.  
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 Notice of *Strix nyctea*.
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 An extract from Audubon's *Orn. Biog.*, Vol. V, Appendix, pp. 382, 383, with remarks by the translator.
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 An extract from Audubon's *Orn. Biog.*, Vol. V, p. 386, with comments by the translator, respecting *Strix nebulosa*, etc.
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 This is, I think, Dr. Brewer's first and last appearance in the rôle of species-making, and an entirely unsuccessful one.
1857. [BILLINGS, E.] On the Great Horned Owl, *Bubo virginianus*. < *Canad. Nat. and Geol.*, i, 1857, pp. 443-447, fig.
1857. [BILLINGS, E.] The Snowy Day Owl. *Surnia Nyctea*. < *Canad. Nat. and Geol.*, i, 1857, pp. 447-450.
1857. BISHOP, N. H. The Burrowing Owl of South America. (*Athene cunicularia*, Molina.) *Proc. Bost. Soc. Nat. Hist.*, vi, 1857, pp. 204-206.  
 Habits.  
 Bull. v, 4—15

1857. GADAMER. — *Strix nyctea*. < *Naumannia*, vii, 1857, Heft i, pp. 84, 85.
1857. GRAHAM, D. Snowy Owls [*Strix nyctea*] in the Western Islands. < *Zoologist*, xv, 1857, p. 5831.
1857. H[INCKS], W. Canadian Strigidæ. < *Canad. Journ.*, ii, 1857, pp. 219, 220.  
Recapitulation of the species.
1858. BREHM, [C.] L. Die Schleierkäuse. *Strix*, Lin. < *Naumannia*, viii, 1858, pp. 214-220.  
1. *Strix flammea*: a. *obscura*; b. *vulgaris*; c. *adspersa*; d. *guttata*. 2. *S. margaritata*. 3. *S. paradoxa* Brn., p. 217. 4. *S. splendens*. 5. *S. kirchhoffi* nob., p. 219. 6. *S. maculata* nob., p. 220.
1858. BREHM, [C.] L. Die Steinkäuse. *Athene*, Boje, *Noctua*, Cuv. (*Strix psilodactyla*, L. *Strix passerina*, Gm., L. *Strix noctua*, Retz.) < *Naumannia*, viii, 1858, pp. 221-230.  
1. *A. longicauda* Brn., p. 221. 2. *A. major* Brn., p. 222. 3. *A. passerina*; a. *psilodactyla*; b. *vulgaris*; c. *leucophrys*. 4. *A. ridali* nob., p. 224. 5. *A. indigena* Brn., p. 226. 6. *A. intercedens* Brn., p. 227. 7. *A. meridionalis*. 8. *A. ferruginea*, nob., p. 229.
1859. KAUP, J. J. Monograph of the Strigidæ. < *Trans. Zool. Soc. Lond.*, iv, pt. vi, 1859, art. xviii, pp. 201-260, pll. lvi, lvii (generic details of structure).  
Dr. Kaup was specially occupied for some years with the birds of prey, publishing meanwhile numerous papers. Three of these are upon *Strigidæ*—*Isis*, 1848; *Contr. Orn.*, 1851-52, and the present one. He coined many new generic names for these birds, several of which have proven available; but his work cannot be considered of great merit or utility, and would be scarcely remembered were it not for the new genera proposed. His classification is hopelessly vitiated by his 'quinarian' freaks, and his way of working out species has the reverse of felicitous result. I should not be disposed to take issue with any one who might go so far as to consider the author in mention a magnificent failure.
1859. XANTUS, J. Catalogue of Birds collected in the vicinity of Fort Tejon, California, with a description of a new species of *Syrnium* [occidentale, p. 193]. < *Proc. Acad. Nat. Sci. Phila.*, xi, 1859, pp. 189-193.
1862. H[INCKS], W. The Snowy Owl [in Canada]. < *Canad. Journ.*, vii, 1862, p. 522.
1862. PASSMORE, S. To the Editor of the Leader. < *Canad. Journ.*, vii, 1862, p. 523.  
On *Strix nyctea* in Canada.
1862. "STRIX." To the Editor of the Leader. < *Canad. Journ.*, vii, 1862, pp. 522-523.  
On *Strix nyctea* in Canada.
1863. BOULTON, W. W. Occurrence of the Snowy Owl in Sutherlandshire, and of the Honey Buzzard in Inverness-shire. < *Zoologist*, xxi, 1863, p. 8765.
1863. HADFIELD, H. Snowy Owl (*Strix nyctea*). < *Zoologist*, xxi, 1863, pp. 8718, 8719.
1863. PELZELN, A. V. Ueber vier von Natterer in Brasilien gesammelte noch unbeschriebene Vögelarten. < *Verh. k.-k. zool.-bot. Gesellsch. Wien*, xiii, Oct. 10, 1863, pp. 1125-1130.  
*Syrnium superciliare*, p. 1125 (*Strix superciliaris* on p. 1126); and three species of *Tinamidae*.
1863. SAVILLE, S. P. Note on the Shorteared Owl. < *Zoologist*, xxi, 1863, p. 8818.
1863. SANBY, H. L. Notes on the Snowy Owl. < *Zoologist*, xxi, 1863, pp. 8633-8639.
1863. SCHLEGEL, H. Oii < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Déc., 1862, pp. 1-30. (Pub. 1863.)  
Article dated Dec., 1862, and possibly out that year in loose sheets, but the whole livr. not published till 1863.  
This author's "Oii," or Eared Owls, include the genera *Otus*, *Bubo*, and *Scops*, there being treated of the first 5, of the second 18, and of the third 10 spp., with certain subsp. of these genera respectively. These species are represented in the Leyden Museum by 185 specimens, of a synonymic and descriptive list of which the article consists. *Bubo orientalis minor*, p. 13; *Scops zorca asiaticus et africanus*, p. 20, subsp. nn.
1863. SCHLEGEL, H. Striges < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Déc., 1862, pp. 1-46. (Pub. 1863.)  
Article dated Dec., 1862; possibly out in loose sheets that year; but the livr. not published till 1863.

## 1863. SCHLEGEL, H.—Continued.

The 264 specimens of "Striges" contained in the Leyden Museum are here treated, with synonymy and description, as representing 6 spp. of *Strix*, 21 of *Uro*, and 26 of *Noctua*. *Strix flammea americana*, p. 4; *Noctua hirsuta philippensis*, p. 26; *N. perlata capensis*, p. 37, subspp. n. n.—The group is that of Owls without ear-tufts, as distinguished from the tufted species, the latter being the "Odi" of this author.

1863. WHEELWRIGHT, H. Notes on the Hawk Owl (*Strix funerea*), and Tengmalm's Owl (*Strix Tengmalmi*) as observed in Lapland. < *Zoologist*, xxi, 1863, pp. 8412-8414.1864. ARMISTEAD, J. J. The Shorteared Owl [*Strix brachyotus*] perching. < *Zoologist*, xxii, 1864, p. 8876.1865. LORD, J. K. The Pigmy Owl. *Glaucidium guoma*, Wagler. . . . < *The Intellectual Observer*, vii, 1865, pp. 409-413.1867. ELLIOT, D. G. Description of an apparently new species of Owl, of the Genus *Scops* [*S. kemmickii*]. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 99, 100.1867. WARD, H. Snowy Owl [in Caithness] and Honey Buzzard [in Coventry]. < *Zoologist*, 2d ser., ii, 1867, p. 912.1868. ALLEN, J. A. Notes on the Red and Mottled Owls [*Scops asio*]. < *Am. Nat.*, ii, 1868, pp. 327-329.

The question discussed and their identity shown.

1868. ANON. Snowy Owl in Inverness-shire. < *Zoologist*, 2d ser., iii, 1868, p. 1457.  
From the 'Inverness Advertiser.'1868. FOWLER, A. The Mottled Owl [*Scops asio*]. < *Am. Nat.*, ii, 1868, p. 109.

Continues the controversy between himself and E. A. Samuels (*op. cit.*, i, 1867, p. 496, and ii, 1868, p. 47).

1868. GURNEY, J. H., JR. Snowy Owls in Shetland. < *Zoologist*, 2d ser., iii, 1868, p. 1374.1868. HARVIE-BROWN, J. A. Snowy Owl off the Scotch Coast. < *Zoologist*, 2d ser., iii, p. 1058.1868. MAYNARD, C. J. The Mottled Owl [*Scops asio*] in confinement. < *Am. Nat.*, ii, 1868, pp. 73-77.

Extended notice, with introductory note by E. A. Samuels.

1868. RATHVON, S. S. The Barn Owl [*Strix pratincola*] in Pennsylvania. < *Am. Nat.*, ii, 1868, p. 489.

Account of a nesting place at Lancaster, Pa.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidae, Strigidae, and Columbidae. < *P. Z. S.*, xxxvi, 1868, pp. 53-60, pl. v, woodcut.

The new Owls described are *Syrnium fulvescens*, p. 58, and *Scops barbarus*, p. 56, woodcut; and a synopsis of 7 spp. of the latter genus is also given.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New or Little-known American Birds of the Families Fringillidae, Oxyrhamphidae, Bucconidae, and Strigidae. < *P. Z. S.*, xxxvi, 1868, pp. 322-329, pl. xxix.

The Owl described and figured is *Gymnoglaux lawrencii*, p. 328, pl. xxix; a synonymatic synopsis of 3 spp. of this genus is also given.

1868. WOOD, W. The Mottled Owl [*Scops asio*]. < *Am. Nat.*, ii, 1868, pp. 370-374.

On the changes of plumage, and habits.

1868. WRIGHT, C. A Comical Owl [*Glaucidium siju*]. < *Am. Nat.*, ii, 1868, pp. 420-422.

Habits of an individual in confinement.

1869. BREWSTER, W. The Mottled Owl again. < *Am. Nat.*, iii, 1869, pp. 334, 335.

Notes on the habits of *Scops asio* in captivity.

1869. CANFIELD, C. S. Habits of the Burrowing Owl of California [*Athene cunicularia*]. < *Am. Nat.*, ii, 1869, pp. 583-586.

Chiefly on the kind of association with *Spermophilus beecheyi*, and on the nesting.

1869. EULER, C. Notes on the Brazilian species of Strigidae. < *J. f. O.*, xvii, 1869, pp. 242-249.
1869. GUNN, T. E. Early Nesting of the Barn Owl in Norfolk. < *Zoologist*, 2d ser., iv, 1869, p. 1721.
1869. HÜGEL, A. DE. Snowy Owl in Ross-shire. < *Zoologist*, 2d ser., iv, 1869, p. 1863.
1869. LINDEN, C. S. *Nyctale albifrons* [i. e., *N. acadica* juv.]. < *Am. Nat.*, iii, 1869, p. 556.  
Capture of an individual at Buffalo, New York.
1870. ANON. Nos Hiboux. < *Naturaliste Canadien*, ii, 1870, pp. 197-206, pl. i.  
Sur les *Strigidae* du Canada. Pl. I. *Syrnium nebulosum* (d'après Audub.).
1870. CLIFTON, Lord. Supposed [entirely uncertain] Occurrence of the American Mottled Owl [Scops] at Cobham, Kent. < *Zoologist*, 2d ser., v, 1870, p. 2138.
1870. CLIFTON, Lord. Supposed Occurrence of *Strix asio* in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2343.  
Reaffirmed.
1870. GURNEY, J. H. Supposed Occurrence of the American Mottled Owl [Scops asio] in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2221.  
Leaves it open.
1870. HADFIELD, H. Supposed Occurrence of the American Mottled Owl [Scops asio] in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2181.  
Doubtful.
1870. HADFIELD, H. Supposed Occurrence of *Strix asio* in Kent. < *Zoologist*, 2d ser., v, 1870, p. 2382.  
Criticises his lordship severely. Editor interferes to stay further proceedings.
1870. HAWKINS, H. S. [On the nesting of *Nyctea nivea* in Labrador.] < *Ibis*, 2d ser., vi, 1870, p. 298.
1870. STREETS, T. H. [On asymmetry in the skull of an owl.] < *Proc. Acad. Nat. Sci. Phila.*, 1870, p. 73.
1871. ANON. Hiboux [se montrent très communs à Québec]. < *Naturaliste Canadien*, iii, 1871, p. 28.
1871. ASHBY, R. Snowy Owl in County Mayo. < *Zoologist*, 2d ser., vi, 1871, p. 2765.
1871. CLIFTON, Lord. Note on the alleged Identity of the American Red Owl [Scops asio] with the Mottled Owl [Scops asio]. < *Zoologist*, 2d ser., vi, 1871, p. 2606.  
Returns to the charge with a flank movement.
1871. COLLETT, R. On the Asymmetry of the Skull in *Strix tengmalmi*. < *P. Z. S.*, xxxvi, 1871, pp. 739-743, woodcc.
1871. HADFIELD, H. Mottled and Red Owl [Scops asio]. < *Zoologist*, 2d ser., vi, 1871, pp. 2680, 2681.  
Flank movement ineffectual; charge resumed. Editor dismisses both belligerents forever.
1871. KESSLER, G. Die Schnee-Eule [*Nyctea nivea*] auf Hiddens-Oee erlegt. < *J. f. O.*, xix, 1871, p. 224.
1871. VERRILL, A. E. Occurrence of Kirtland's Owl [*Nyctale* "albifrons," i. e., *N. acadica* juv.] in Maine. < *Am. Nat.*, v, 1871, p. 119.
1872. COLLETT, R. Om Kraniets Assymetri hos *Nyctala tengmalmi*. < *Vidensk. Selsk. Forh. Christ.*, 1872, pp. 68-73, woodcc.  
Mainly a translation of his paper in *P. Z. S.*, 1871, p. 739.
1872. COUES, E. A New Bird [*Glaucidium ferrugineum*] to the United States. < *Am. Nat.*, vi, 1872, p. 370.
1872. ELLIOT, D. G. On *Nyctale kirtlandi*. < *Ibis*, 3d ser., ii, 1872, pp. 48-52.  
Identifies it with *N. tengmalmi*; full synonymy and description. But cf. Ridgway, *Am. Nat.*, 1872, pp. 283-285.



1872. GURNEY, J. H., JR. Snowy Owl at Southrepps, Norfolk. < *Zoologist*, 2d ser., vii, 1872, p. 2912.
1872. RIDGWAY, R. Relationship of the American White-fronted Owl. < *Am. Nat.*, vi, 1872, pp. 283-285.  
Critical examination (with ref. to Elliot, *Ibis*, Jan., 1872) of *N. albifrons*, which is determined to be *N. acadica* juv. Characters and synonyms of this species and *N. tengmalmi*.
1872. WHITAKER, J., JR. Abundance of Shorteared Owls in Nottinghamshire. < *Zoologist*, 2d ser., vii, 1872, p. 2992.
1873. A[LLEN], J. A. The White-fronted Owl in Canada. < *Am. Nat.*, vii, 1873, pp. 427-429.  
Maintains that this is *Nyctale acadica* juv.
1873. RIDGWAY, R. Revision of the . . . and the Strigine Genus, *Glaucopteryx*. < *Proc. Boston Soc. Nat. Hist.*, xvi, 1873, pp. 73-106.  
For full title and comment, see under FALCONIDÆ, same date and author.
1873. WHITAKER, J., JR. Shorteared Owl in Nottinghamshire. < *Zoologist*, 2d ser., viii, 1873, p. 3489.
1874. COUES, E. Pet Owls [*Bubo virginianus*]. < *Am. Sportsman*, iii, 1874, p. 354.
1874. GRATOR, A. Captive Owl fed by its Mate. < *Am. Sportsman*, iii, 1874, p. 213.
1874. GURNEY, J. H. Nidification of the Snowy Owl in Confinement. < *Zoologist*, 2d ser., ix, 1874, p. 4154.
1874. HUDSON, W. H. On the Habits of the Burrowing Owl (*Pholopteryx cucularia*). < *P. Z. S.*, xlii, 1874, pp. 308-311.
1874. RIDGWAY, R. Discovery of a Burrowing Owl in Florida. < *Am. Sportsman*, iv, No. 14, July 4, 1874, p. 216, fig. 1.  
Description of *Speotyto cunicularia* var. *floridana*, var. n., with account of habits. Remarks upon geographical distribution of American birds, and peculiarities of Florida in this respect.
1874. RIDGWAY, R. Two Rare Owls [*Syrnium occidentale*, *Micrathene whitneyi*] from Arizona. < *Am. Nat.*, vii, No. 4, Apr., 1874, pp. 239, 240.  
The article includes a notice of *Asturina plagiata*.
1875. ANON [EDITORIAL]. [Capture of *Speotyto hypogaea* in New York City.] < *Forest and Stream*, v, Aug. 12, 1875, p. 4.
1875. DEANE, R. Occurrence of the burrowing Owl in [Newburyport,] Massachusetts. < *Rod and Gun*, vi, May 15, 1875, p. 97.  
Read before *Natt. Ornith. Club*, May 6: notes also other rarities.
1875. GURNEY, J. H. On the Snowy Owl [*Nyctea nivea*] nesting in Confinement. < *Zoologist*, 2d ser., x, Aug., 1875, p. 4573.
1875. GURNEY, J. H. Further Note [*Zool.*, s. s., 4573] on the Young of the Snowy Owl [*Nyctea scandiaca*] hatched in Confinement. < *Zoologist*, 2d ser., x, Oct., 1875, p. 4663, 4664.
1875. GURNEY, J. H. [On the breeding of *Nyctea nivea* in confinement.] < *Ibis*, 3d ser., v, 1875, pp. 517, 518.
1875. "PETE." The Great Horned Owl (*Bubo virginianus*) [attacks a dog]. < *Rod and Gun*, vii, Dec. 11, 1875, p. 163.
1875. RIDGWAY, R. More About the Florida Burrowing Owl [*Speotyto cunicularia* var. *floridana*]. < *Rod and Gun*, vi, Apr. 3, 1875, p. 7. (See also *Am. Sportsman* for July 4, 1874.)
1875. SHARPE, R. B. Contributions to a History of the Accipitres. The Genus *Glaucopteryx*. < *Ibis*, 3d ser., v, 1875, pp. 35-59, pl. i, ii.  
Elaborate, critical, with special reference to R. Ridgway's paper on same subject (*Pr. Boston Soc.*, xvi, 1873, pp. 91-106). 9 spp. *G. griseiceps*, p. 41, pl. ii, f. 2; *G. ridgwayi*, p. 58, spp. n. : pl. i, *G. guinea*; pl. ii, f. 1, *G. pusillum*.
1875. SHARPE, R. B. Contributions to a History of the Accipitres. The Genus *Strix* of Linnaeus, and its Type. < *Ibis*, 3d ser., v, 1875, pp. 324-328.  
*Strix* is left for *S. flammea*. But see especially NEWTON, *Ibis*, 1876, pp. 94-104.

1875. SHARPE, R. B. Catalogue of the Striges, or Nocturnal Birds of Prey, in the collection of the British Museum. By R. Bowdler Sharpe. London: printed by order of the Trustees. 1875. 1 vol. 8vo. pp. i-xii, 1-323, pl. i-xv. and numberless cuts in text.

This is the second vol. of the new Catalogue of the Birds of the British Museum, entitled as follows: Catalogue of the Birds of the British Museum. Volume II. London: printed by order of the Trustees. 1875. It catalogues 1,090 specimens of Owls, of which there are in the Museum 153 species, leaving 37 desiderata of the 190 spp. supposed to be known. The plan of the work, as was that on the *Falconidae*, which forms Vol. I. is much more highly developed than was that of the old Brit. Mus. Catalogues, being in fact a considerable monograph of the birds of which the work treats. The author regards the *Striges* as an order, which he divides into two families, *Bubonidae* and *Strigidae*, according to the structure of the feet and sternum: the latter family containing only the genera *Strix* ("Barn Owls") and *Phodilus*. The *Bubonidae* are divided into the two subfamilies, *Buboninae* and *Syrniinae*, according to the structure of the ear-coch and facial disc. Analyses of all the genera are given, and the species are very elaborately described, with extensive synonymy, geographical distribution, and critical comment. Fourteen genera of *Buboninae* and three of *Syrniinae* are recognized. Analytical keys to the species, as well as to the genera, are presented. Whatever may be said of the author's general attitude in classification, and in discrimination of species, his work is obviously very carefully and faithfully done.

The following appear to be new names: *Scops stictonotus*, p. 54; *S. rufipennis*, p. 60; *S. bouruensis*, p. 73; *S. albiventris*, p. 78; *S. guatemalæ*, p. 112; *Syrnium spilnotum* ("Gray, descr. nulla"), p. 277.

The plates are as follows: I, *Scotopelia boucierii*. II, *Bubo shelleyi*. III, f. 1, *Scops capensis*; f. 2, *S. stictonotus*. IV, f. 1, *S. malayanus*; f. 2, *S. gymnopus*. V, *S. magicus*. VI, *S. leucospilus*. VII, f. 1, *S. morotensis*; f. 2, *S. bouruensis*. VIII, f. 1, *S. albiventris*; f. 2, *S. mendanensis*. IX, *S. guatemalæ*. X, *S. hypogramma*. XI, f. 1, *Ninox hantu*; f. 2, *N. ochracea*. XII, f. 1, *N. fusca*; f. 2, *N. squamipila*. XIII, f. 1, *Glauclidium cobanense*; f. 2, *G. tephronotum*. XIV, *Strix flammea*.

1875. "SPEOTYTO FLORIDANUS." Adventures of a Scientific Owl. < *Am. Sportsman*, v, Mar. 27, 1875, p. 401.

Humorous history of *Speotyto floridanus*. The bird, confined in the Smithsonian Tower, destroyed the type specimen *Helminthophaga leucobronchialis*; cf. COUES, B. C. V., pt. i, 1878, p. 213.

1875. "WOLVERENE." My Owl [*Scops asio*], etc. < *Am. Sportsman*, v, 1875, Feb. 20, p. 347.

1876. ANON. [*Nyctea nivea* unusually abundant at Boston.] < *Forest and Stream*, vii, Nov. 23, 1876, p. 245. (See p. 261.)

1876. ANON. [*Nyctea nivea* at Norfolk, Va., and in South Carolina.] < *Forest and Stream*, vii, Dec. 7, 1876, p. 276. (See pp. 245, 261.)

1876. BOIES, A. H. A Wary Owl [*Nyctea nivea*?]. < *Rod and Gun*, ix, Nov. 25, 1876, p. 116.

1876. "CAU." The Snowy Owls [at Boston]. < *Forest and Stream*, vii, Nov. 30, 1876, p. 261. (See p. 245.)

1876. CLARK-KENNEDY, A. J. Barn Owl and Shrew. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4922, 4923.

1876. DUNBAR, S. M. Bad Place for Owls. < *Rod and Gun*, ix, Nov. 25, 1876, p. 116.  
Various species at Baldwinsville, N. Y.

1876. GATCOMBE, J. Occurrence of the Snowy Owl on Dartmoor. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4921, 4922.

1876. GURNEY, J. H., JR. Claws of the Hawk Owl. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4795.

1876. GURNEY, J. H., JR. Barn Owl and Shrew. < *Zoologist*, 2d ser., xi, Apr., 1875, p. 4871.

1876. GURNEY, J. H., JR. Barn Owl and Rat. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4871.

1876. GURNEY, J. H., JR. On the Snowy Owl Nesting in Confinement. < *Zoologist*, 2d ser., xi, Aug., 1876, pp. 5041, 5042.

1876. HOWELL, T. H. The Short-eared Owl [in Illinois]. < *Forest and Stream*, vii, Nov. 30, 1876, p. 261. (See p. 342.)
1876. "J. B. S." The Arctic Owl [*Nyctea nivca*?]. < *Forest and Stream*, vii, Nov. 16, 1876, p. 230.
1876. MITFORD, R. Barn Owl and its Castings. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4832.  
*Cf. op. cit.*, p. 4670.
1876. MITFORD, R. Owl-pellets: Correction of an Error. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4870.  
*Cf. op. cit.*, p. 4832.
1876. MURRAY, H. B. Snowy Owl in County Fermanagh. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4871.

1876. NEWTON, A. On the Assignment of a Type to Linnean Genera, with especial reference to the Genus *Strix*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 94-104.

The opinion expressed by the writer (*Farr. Br. B.*, 4th ed., i. p. 150) having been demurred to by Salvin (*Ibis*, 1875, pp. 66, 67) and Sharpe (*ibid.*, pp. 324-328), this occasion is taken to reconsider the matter, and reiterate the views on nomenclature already expressed. It is an important paper in its bearing on the general question, discussing certain principles touching nomenclature at large, aside from the special case of *Strix*. The author has decided views on the subject, and adheres to certain rules with such thorough consistency that he scarcely provides for some emergencies which may arise, and appear to many persons to require some elasticity of application of a principle he would make inflexible. He fortifies his position with his usual cogeny of argument and his conspicuous scholarly attainments.

Prof. Newton finds that, among the 78 genera of Linn. S. N. 1766, there are only 12 which Linnaeus can be considered to have invented: *Rhamphastos*, *Buceros*, *Procellaria*, *Diomedea*, *Phaeton*, *Palamedea*, *Mycteria*, *Canceroma*, *Parra*, *Didus*, *Menura*, *Pipra*. He doubts not that had Linnaeus known our modern practice, he would have designated as the type of each of his genera that species to which the name he adopted as generic had formerly been specifically applied; this seeming so obvious that he wonders at G. R. Gray and others who invented the arbitrary rule of selecting the first-named Linnean species as the type of the genus under which it stands. He finds it curious that so few Linnean genera, such as *Vultur*, *Falco* and *Psittacus* (and 9 others) had been used by pre-Linnean writers in a generic sense. The authors whence Linnaeus derived his genera are Gesner, Belon, Aldrovandus, Chusius, Johnston, Brown, Barrère, Klein, Moehring, Brisson, and perhaps one or two others.

Following out his principle, the author determines the types of 56 Linnean genera to be as follows (to save space I simply couple the generic and specific terms): *Strix* stridula, *Lanius excubitor*, *Buphaga africana*, *Crotophaga ani*, *Corvus corax*, *Oriolus galbula*, *Paradisæa apoda*, *Bucco capensis*, *Ocellulus canorus*, *Jynx torquilla*, *Picus martini*, *Sitta europæa*, *Alcedo ispida*, *Merops apiaster*, *Upupa epops*, *Certhia familiaris*, *Trochilus colubris*, *Alca torda*, *Procellaria pelagica*, *Diomedea exulans*, *Pelecanus onocrotalus*, *Plotus anhingæ*, *Phaeton athericus*, *Rhynchops nigra*, *Sterna hirundo*, *Phœnicopterus ruber*, *Platalea leucorodia*, *Mycteria americana*, *Canceroma cochlearia*, *Ardea cinerea*, *Tantalus loculator*, *Recurvirostra americana*, *Heronotopus ostralegus*, *Fulica atra*, *Parra jacana*, *Rallus aquatilis*, *Psophia crepitans*, *Otis tarda*, *Streptio camelus*, *Didus ineptus*, *Pavo cristatus*, *Meleagris gallopavo*, *Circus alcyon*, *Phasianus colchicus*, *Numida meleagris*, *Alauda arvensis*, *Sturnus vulgaris*, *Turdus viscivorus*, *Ampelis garrulus*, *Loxia curvirostra*, *Tamagra tatao*, *Fringilla coelebs*, *Muscicapa grisola*, *Pipra leucocilla*, *Hirundo rustica*, *Caprimulgus europæus*.

Out of those 56 genera, only *Strix* and three or four others have, from the author's way of regarding them, a type other than that commonly assigned to them.

The case of *Strix* is then elaborately discussed, and the author maintains, in summing his answer to his critics,

"(1) That the type, according to the modern notion, of the Linnean genus *Strix*, is clearly and indisputably *S. stridula*.

"(2) That in subdividing a genus Brisson's right to affix its original name to the portion of it he chose is not affected by his exceptional position as regards specific names, and that the type of his restricted genus *Strix* is also *S. stridula*.

"(3) That should ornithologists, in the teeth of the law, persist in disregarding this right, there is a strong probability, which may at any moment become a certainty, of its being indefinitely established without reference to any exception whatever."

1876. NICHOLLS, H. Abundance of the Short-eared Owl near Kingsbridge. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4831, 4832.

1876. RIDGWAY, R. The Genus *Glaucidium*. < *Ibis*, 3d ser., vi, Jan., 1876, pp. 11-17, pl. i.  
*Cf.* Ridway, *Proc. Bost. Soc.*, xvi, 1873, pp. 91-106, and Sharpe, *Ibis*, 3d ser., v, Jan., 1875, pp. 35-39; the latter being a review of the former. "The present paper represents the conclusions arrived at after a careful reconsideration of the subject, with much additional material, and the benefit of Sharpe's monograph. . . ." The author here allows *G. gnoma*, *jardini*, *nanum*, *ferrugineum*, *pumilum*, and *siju*, all of which are analyzed, and several of which are described at length, with synonymy. The plate gives *G.ardini*, in its two phases of coloration.
1876. [SALVIN, O.] [Notice of Sharpe's Catalogue of the Striges in the British Museum.] < *Ibis*, 3d ser., vi, Apr., 1876, pp. 273, 274.
1876. SHARPE, R. B. On the Geographical Distribution of Barn Owls. < *Rowl. Orn. Misc.*, pt. iv, May, 1876, pp. 269-298, 3 maps; pt. v, Oct., 1876, pp. 1-21.  
 In this article Mr. Sharpe goes much further into the subject of the distribution, local names, etc., of *Strix flammea* and its allies, than he did in the *Brit. Mus. Cat.*, ii, pp. 294-296, where his general conclusions are stated. He divides the birds into the true Barn Owls and the Grass Owls, of which latter two African and Asiatic species are known. Map I shows the distribution of the different races of *Strix flammea*; Map II the ranges of *S. norae hollandicae*, *S. tenebriosa*, and *S. castanops*; Map III, of *S. candida*, *S. capensis*, and *S. thomensis*—these three being the Grass Owls.
1876. SHARPE, R. B. [Remarks on Exhibition of a British-killed specimen of *Surnia ulula*.] < *P. Z. S.*, Apr. 4, 1876, pp. 334, 335.
1877. ANON. [*Nyctea nivea* on its southward migration invariably accompanied by Ptarmigans.] < *Forest and Stream*, viii, Feb. 22, 1877, p. 33.
1877. BREWER, T. M. A new Form of *Surnia* [*ulula*] to New England. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, p. 78.
1877. COALE, H. K. Notes on [occurrences, etc., of] *Nyctale acadica*. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, pp. 83, 84.
1877. DEANE, R. Probable Breeding of the Acadian Owl (*Nyctale acadica*) in Massachusetts. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, p. 84.
1877. DEANE, R. Unusual abundance of the Snowy Owl (*Nyctea scandiaca*) in New England. < *Bull. Natl. Ornith. Club*, ii, No. 1, Jan., 1877, p. 9-11.
1877. FRAZAR, A. M. The Mottled Owl [*Scops asio*] as a Fisherman. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, p. 80.
1877. RAGSDALE, G. H. An Inquiry [concerning identity of supposed *Speotyto cunicularia* var. *hypogaea*, C.S.]. < *Forest and Stream*, viii, Feb. 22, 1877, p. 33.
1877. "R. T. G." [and EDITOR]. A tough owl [colliding with railway train]. < *Forest and Stream*, vii, Feb. 1, 1877, p. 405.
1877. [SCLATER, P. L.] [Note on the abundance of *Nyctea nivea* in Europe and America in the winter of 1876-77.] < *P. Z. S.*, Jan. 2, 1877, p. 1.
1877. [SCLATER, P. L.] [On addition of a Mexican Eared Owl (*Asio mexicanus*) to the Society's Menagerie.] < *P. Z. S.*, Mar. 6, 1877, pp. 159, 160.  
 Important synonymatic note on the name here used.
1877. [SCLATER, P. L., and SALVIN, O.] Irruption of Snowy Owls [*Nyctea nivea*] from the North. < *Ibis*, 4th ser., i, Jan., 1877, pp. 131, 132.  
 Occurring in the United States.
1878. ANON. The Acadian Owl [*Nyctale acadica*]. < *The Oölogist*, iv, No. 5, July, 1878, p. 38.  
 Note of its habits as observed in Central New York.
1878. ABBOTT, C. C. The barn owl. < *The Country*, i, Mar. 2, 1878, p. 260.
1878. ALLEN, C. A. The Pygmy Owl (*Glaucidium californicum*). < *Bull. Natl. Ornith. Club*, iii, No. 4, Oct., 1878, p. 193.  
 Note of habits. Mobbed by small birds.
1878. [FITCH, E. H.] The Great Grey Owl. (*Syrnium cinereum*.) < *The Journ. of Sci.* (Toledo, Ohio), 2d ser., i, No. 5, Aug., 1878, ent.  
 Popular biography, with an excellent figure.

1878. JASPER, T. The Barred Owl (*Syrnium nebulosum*). < *The Oölogist*, iv, No. 3, May, 1878, pp. 21, 22.

A notice of the habits of this species, from his 'Birds of North America,' Part 6.

1878. LAWRENCE, G. N. On the Members of the Genus *Gymnoglaux*. < *Ibis*, 4th ser., ii, Apr., 1878, pp. 184-187.

The author maintains "three well marked species,"—*nudipes* Daud., from Porto Rico; *newtoni* Lawr., from St. Croix and St. Thomas; and *lawrencei*, S. and S., from Cuba,—which are described and compared. Editors incline to differ.

1878. RIDGWAY, R. A Review of the American Species of the Genus *Scops*. < *Proc. U. S. Nat. Mus.*, i, 1878, pp. 85-117.

This is an elaborate article, in which the several American species are described at full length and critically discussed, upon more material than appears to have been commanded by previous writers. The six species recognized are thrown into three groups, according to the feathering of the feet.—A, *S. nudipes* alone, with toes and lower half or more of tarsus bare; B, with *SS. brasiliæ*, *barbarus*, and *flammeolus*, with toes alone, or merely lower end of tarsus, completely naked; C, *SS. asio* and *cooperi* (n. sp., p. 116), with toes strongly bristled, sometimes densely feathered, at base. *S. nudipes* stands alone, without subspecies. Of *S. brasiliæ* are recognized subsp. *brasiliæ*, *atricapillus*, *ustus*, *guatemalæ*, and *cassini* (subsp. n., p. 102). *SS. barbarus* and *flammeolus* have no subspecies. Of *S. asio* are recognized subsp. *asio*, *maccalli*, *kennicotti*, *floridanus*, and *maxwelliæ*. *S. cooperi* has no subsp. Besides these six distinct forms, with their several races, the author treats *S. trichopsis*, Wagl., as a doubtful form. The descriptions given are very elaborate, and the synonymy is copious. Cf. *Ibis*, 1879, p. 209.

1878. [SCOTT, W. E. D.] [Attacks by *Scops asio* upon human beings.] < *The Country*, i, Feb. 23, 1878, p. 245.

1878. [SCOTT, W. E. D.] Winter Notes. Owls. < *The Country*, i, 1878, pp. 229, 244.

1878. "SUBSCRIBER." [Attack upon a man by] Another Vicious Owl. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.

1878. WILLISTON, S. W. The Prairie Dog, Owl [*Speotyto cunicularia hypogæa*] and Rattlesnake. < *Am. Nat.*, xii, No. 4, Apr., 1878, pp. 203-208.

1879. ANON. [COOPER, J. G.?] The Great Gray Owl [*Syrnium cinereum*]. < *Pacific Rural Press*, xvii, No. 1, Jan. 4, 1879, p. 9, fig.

Compiled account of the species, and a very good figure, from Baird, Brewer and Ridgway's *Hist. N. A. Birds*.

1879. BALLOU, W. H. Does the Snowy Owl [*Nyctea nivea*] Breed in the United States? < *Am. Nat.*, xiii, No. 8, Aug., 1879, pp. 524, 525.

Asserting as a fact that the bird is seen along Lake Ontario throughout the year, and that in the "North Woods" of New York the writer once saw a young Snowy Owl not nearly full-fledged.

1879. COOPER, W. A. Notes on the Breeding Habits of the California Pygmy Owl (*Glauclidium californicum*), with a Description of its Eggs. < *Bull. Natl. Ornith. Club*, iv, No. 2, Apr., 1879, pp. 86, 87.

Note by J. A. Allen refers to *Pr. Bost. Soc. Nat. Hist.*, xix, 1877, p. 232, as the only previous account of the eggs of this species, based on the same specimens as here described.

1879. DEANE, R. Capture of a Third Specimen of the Flammulated Owl (*Scops flammeola*) in the United States, and first Description of its Nest. < *Bull. Natl. Ornith. Club*, iv, No. 3, July, 1879, p. 188.

1879. HAWES, C. A. Nesting of the Barred Owl (*Syrnium nebulosum*). < *The Oölogist*, iv, No. 10, May, 1879, pp. 77, 78.

From original observations made near Boston, Mass.

1879. KING, M. B. A. A Family Arrangement [*Bubo virginianus*]. < *Science News*, i, No. 16, June 15, 1879, p. 256.

Occurrence of five young, apparently of different ages, in one nest.

1879. [WOOD, C. S.] *Scops flammeola*. < *Colorado Springs Gazette* [daily newspaper], Sept. 3, 1879.

First publication of the exhibition by C. E. Aiken of the fourth specimen of this species known from the United States.

## Falconidæ.

[NOTE.—Among papers on Birds of Prey there are not a few relating to more than one of the recognized families of this order. As I have no head under which to range articles on *Raptores* in general, I bring under *Falconidæ* the titles relating to American *Raptores*, excepting those treating exclusively of *Strigidæ* or of *Cathartidæ*.]

1781. MERREM, B. Anatomische Beschreibung des weisköpfigen Adlers. < *Vermischte Abhandl. zur Thiergesch. Göttingen*, —, 1781, pp. 145—.
- Not seen—the title from Giebel.
1784. HUBER, [J.] Observations | sur le vol des | Oiseaux de Proie, | Par M. Huber, de Genève. | Accompagnées de figures, dessinées par l'Auteur. | [Dessin.] | A Genève, | Chez Paul Barde, Imprimeur-Libraire. | — | M. DCC. LXXXIV. 1 vol. 4to in size and by signatures, 8vo type-bed, pp. 51, with 6 folded pll.
1784. ÖDMAN, S. Fiskljusens (Falconis Haliæti) Hushållning och Historia. < *Kongl. Vetensk. Acad. Nya Handl.*, v, 1784, pp. 301-309.
1784. ÖDMAN, S. Falco albicilla, Svet. Hafs-örn. < *Nora Acta Reg. Soc. Sc. Upsal.*, iv, 1784, pp. 225-238.
- Not seen.
1798. CARLSON, G. V. Tal med Utkast till Falk-Slägtets [Falconidæ] i symmetrihet de Svenska Arternas, Indelning och Beskrifning; hållet för K. Vet. Akad. vid Præsidiij nedläggande d. 31 Jan. 1798 af Gust. v. Carlson. Stockholm. 1798. 8vo. pp. 30.
- Not seen.
1798. LJUNGH, S. I. Beskrifning på Svarta Örnen, Falco Fulvus canadensis [Aquila chrysaëtus], en ny Recrūt för Fauna Svecica. < *Kongl. Vetensk. Acad. Nya Handl.*, xix, 1798, pp. 235-240.
- In Swedish and Latin.
- 1801-02. WACHTMEISTER, H. Försök til Svenske Falk-Arters beskrifning och bestämmande. < *Kongl. Vetensk. Acad. Nya Handl.*, xxii, 1801, pp. 171-207; xxiii, 1802, pp. 249-274.
- FF. albicilla, fulvus, neriuss?, haliætus, lagopus, islandicus, gyrfalco, milvus, buteo, apivorus, aeruginosus, rufus*, pp. 171-207, 1801.—*FF. palumbarius, gallinarius, peregrinus*, —, 3, —, *subbuteo, tinunculus, lithofalco, nisus*, pp. 249-274, 1802.
1809. CUVIER, FRÉD. Du Pygargue et de l'orfraie. Falco pygargus et falco ossifragus. Linnaeus. < *Ann. du Mus. Hist. Nat.*, xiv, 1809, pp. 301-313.
- Sur les noms que les anciens ont donné aux aigles dont ils ont parlé, et sur l'application de ces noms aux espèces que nous connoissons—Comparaisons des descriptions que les anciens ont donné—Le pygargue et l'orfraie paroissent être de la même espèce, et ce dernier nom doit être conservé.
1810. SAVIGNY, J. C. Système | des | Oiseaux | de l'Égypte et de la Syrie, | présenté à l'Assemblée Générale de la Commission, | le 29 Août 1808, | Par Jules-César Savigny, Membre de l'Institut de l'Égypte. | [Dessin.] | A Paris, | de l'imprimerie Imperiale [sic]. | — | M. DCCC. X. 1 vol. folio. pp. 1-54, 1-16.
- Petite édition, revue par l'auteur, tirée à 30 exemplaires. Extraite de la *Deser. de l'Égypte, Partie Systématique, Oiseaux de l'Égypte et de la Syrie*. Exemplaire dans la *Bibliothèque de l'Acad. des Sc. Nat. de la Philadelphie*, inscrite "à M. Latreille, comme un témoignage des sentimens de l'auteur" (autographe de l'auteur), plus tard présentée à l'Académie par M. le Dr. T. B. Wilson.
- The copy of this extremely rare piece consists of 54 + 16 pages folio, including the two titles. The full title is transcribed above. The prel. title is: Oiseaux | de l'Égypte et de la Syrie. | — | Partie Systématique. | With it is bound 16 pages of "Observations," half-titled as follows: Observations | sur | le Système des Oiseaux | de l'Égypte et de la Syrie. | The 54 pages are extracted from the general work on Egypt, apparently for the purpose of following them up with the "Observations." These are in defense of the "Système," which had been critized in high places.

## 1810. SAVIGNY, J. C.—Continued.

The first order, *Raptores*, of Savigny's System, appeared in 1809 in the first livraison of the general work, and was intended to form part of a considerable treatise. It is here that we find the several new generic names of Savigny's for Birds of Prey. In this extract of 1810 the 17 genera which the author adopts are characterized on pp. 8, 9. They are as follows:—

VULTURES.—1. *Gyps*. 2. *Ægyptius*. 3. *Neophron*. 4. *Phene*.

ACCIPITRES.—5. *Aquila*. 6. *Haliæetus* (observe the original orthography of this name).

7. *Milvus*. 8. *Circus*. 9. *Dardalion*. 10. *Pandion*. 11. *Elanus*. 12. *Falco*.

ULULE.—13. *Noctua*. 14. *Scops*. 15. *Bubo*. 16. *Syrnium*. 17. *Strix*.

The species of these genera are given as follows; they include many new names:—

1. *Gyps vulgaris*, p. 11. 2. *Ægyptius niger*, p. 14. 3. *Neophron percnopterus*, p. 16. *Phene ossifraga*, p. 18; 5. *P. gigantea*, p. 20. 6. *Aquila heliaca*, p. 22; 7. *A. fulva*, p. 22; 8. *A. melanocetos*, p. 24. 9. *Haliæetus nissus*, p. 26. 10. *Milvus icinus*, p. 28; *M. ætolius*, p. 29. 12. *Circus arcyonotus*, p. 30; 13. *C. rufus*, p. 31; 14. *C. gallinarius*. 15. *Dardalion palumbarius*, p. 33; 16. *D. fringillarius*, p. 34. 17. *Pandion flaviatilis*, p. 36. 18. *Elanus cæsius*, p. 38. 19. *Falco tinnunculus*, p. 39; 20. *F. smirillus*; 21. *F. communis*. 22. *Noctua glaux*. 23. *Scops ephialtes*. 24. *Bubo otus*; 25. *B. ascalaphus*. 26. *Syrnium ululans*. 27. *Strix flammea*.

The text consists chiefly (besides brief characters of the species and genera) of a most elaborate and erudite synonymy of the names applied to these birds by ancient and modern authors.

The interesting copy handled is annotated in Savigny's handwriting, and was formerly presented by him to Latreille.

1818. WILSON, J. Observations on some Species of the Genus *Falco* of Linnaeus. < *Mem. Wernerian Nat. Hist. Soc.*, ii, pt. ii, 1818, pp. 569-617.

Read Feb., 1817.—An elaborate and carefully prepared criticism, not to be overlooked in any study of the subject, in spite of errors now fully apparent.—Specific distinction of *Falco fulvus* and *F. chrysaëtos* maintained. Identity of *Falco albidus* Gm. and *F. variegatus* with *F. apivorus*.—Significance of the terms "Haggard" and "Gentle" or "Gentil."—Discussion of *Falco gentilis*, considered as "one of the numerous varieties of the 'Common Falcon.'"—On *Falco palumbarius*.—History of *F. communis*, to which *FF. peregrinus*, *hornotinus*, *fuscus*, *leucocephalus*, *albus*, *gibbosus*, *rubens*, *maculatus*, and *niger*, all of Brisson, and perhaps some other names, are considered referable.

1820. KÜHL, H. [Gehirn einer] *Aquila ossifraga* (IV.). < *Van Hasselt und Kuhl's Zeit. zur Vergl. Anat.*, ii<sup>te</sup> Abtheil., 1820, pp. 60, 61, pl. iv, f. 1-3, pl. v.

Pl. iv, f. 4-6, dasselbe des *Psittacus æstivus*.

1822. GREEN, J. *Falco leucocephalus*—Bald Eagle. < *Sillim. Am. Journ. Sci.*, iv, 1-22, pp. 89, 90.

Note of capture of a specimen.

1823. SELBY, P. J. Some Observations on the *Falco chrysaëtos* and *F. fulvus* of Authors, proving the Identity of the two supposed species. < *Mem. Wernerian Nat. Hist. Soc.*, iv, pt. ii, 1823, pp. 428-433, fig. on p. 431.

With reference to J. Wilson's article in the same Memoirs, 1823, q. v. The author makes the point plain.

1823. WILSON, J. Remarks on the different Opinions entertained regarding the specific Distinction, or Identity, of the Ring-tailed and Golden Eagles. < *Mem. Wernerian Nat. Hist. Soc.*, iv, pt. ii, 1823, pp. 434-448.

"Notwithstanding the arguments which have been brought forward by Mr SELBY and other competent judges," the writer adheres to his opinion of their specific distinctness, and supports his views at great length.

1824. [BREHM, C. L.] Der nordische Seeadler. (Weisschwänzige Seeadler. Beinbrecher.) *Aquila borealis*, Brehm. (*Aquila albicilla* et *ossifraga*. *Falco albicilla* et *ossifragus*, Linn.) < *Ornis*, Heft i, 1824, pp. 1-19.1824. VIGORS, N. A. Sketches in Ornithology: or, [etc.] < *Zool. Journ.*, i, 1-24, pp. 308-446; [etc.]

This is the first instalment of a series of articles under the above head, running through several vols. and years of the periodical. It is subtitled: On the Groups of the *Falconidæ*. (pp. 312-346.)

This portion treats of the *Falconidæ*, which are analyzed and classified upon the quinary plan, being divided into 5 stirpes—*Accipitrina*, *Falconina*, *Buteonina*, *Milvina*, *Aquilina*. Further comment upon the article is therefore superfluous. *Harpagus*, g. n., p. 327.

1825. LESSON, [R.] P. Quelques Observations sur les *Falco chrysaetos* et *fulvus*, qui prouvent l'identité de ces deux espèces; par P.-J. Selby. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, pp. 96, 97.  
Extrait des *Mém. Wern. Soc.*, iv, pt. ii, 1823, pp. 428-433, q. v.
1825. LESSON, [R.] P. Remarques sur diverses opinions émises sur la distinction spécifique, ou sur l'identité des Aigles commun et doré; par James Wilson. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, p. 97.  
Extrait des *Mém. Wern. Soc.*, iv, pt. ii, 1823, pp. 434-448, q. v.
1825. LESSON, R. P. Esquisses ornithologiques, ou observations sur les rapports qui existent dans un des groupes les plus nombreux en espèces d'oiseaux; par N.-A. Vigors, jun. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, pp. 406-408.  
Extrait du *Zoological Journal*, i, Oct., 1824, pp. 308-446; cette partie des "Esquisses" renfermant la classification "quinnaire" des Falconidés.
1825. VIGORS, N. A. On a new genus of Falconidæ [*Gampsonyx swainsonii*, sp. n., p. 69]. < *Zool. Journ.*, ii, No. 5, Apr., 1825, pp. 65-70.  
A subhead, being part of the 2d instalment of "Sketches in Ornithology; or," etc. Cf. *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, p. 106; *Isis*, 1830, pp. 839, 840.
1825. VIGORS, N. A. On a new genus of Falconidæ [*Naclerus riocourii*, p. 386, sp. n.]. < *Zool. Journ.*, ii, No. 7, Oct., 1825, pp. 385-387.  
A subhead, being part of the fourth instalment (pp. 368-405) of the series of papers entitled "Sketches on Ornithology; or," etc. Cf. *Féruss. Bull.*, ix, 1826, p. 91; *Isis*, 1830, pp. 1042, 1043.
1826. LESSON, R. P. Esquisses ornithologiques, etc., sur un genre nouveau des Falconidæ; par M. N. A. Vigors. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, p. 106.  
*Gampsonix* (sic) *swainsonii*.—*Zool. Journ.*, ii, No. 5, Avril, 1825, p. 65.
1826. LESSON, [R. P.] Sur un nouveau genre de la famille des Faucons; par Vigors. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., ix, 1826, p. 91.  
*Naclerus riocourii*.—Extrait du *Zool. Journ.*, ii, 1825, pp. 385-387.
1829. AUDUBON, J. J. Notes on the Bird of Washington (*Falco washingtoniana*), or Great American Sea Eagle (fig. 53). < *London's Mag. Nat. Hist.*, i, 1829, pp. 115-120.
1829. JOHNSON, J. Vision of Birds of Prey. < *London's Mag. Nat. Hist.*, ii, 1829, p. 473.  
From *Medico-Chirurgical Review*.
1829. "T. F." An Arrangement of the different Species of Falcons found in Great Britain. < *London's Mag. Nat. Hist.*, i, 1829, pp. 217-221, figg. 85-90.  
14 spp., under 6 sections.
1830. BENNETT, [E. T.] [*Polyborus*? *hypolencus*, sp. n.] < *P. Z. S.*, Dec. 14, 1830, p. 13.
1830. BREHM, C. L. Die grossen Adler mit befiederten Füssen von Brehm. < *Oken's Isis*, Bd. xxiii, 1830, pp. 96-106.  
*Aquila fulva*, *A. melanoctos*, *A. chrysaetos* "Brehm".
1830. VIGORS, N. A. *Gampsonyx* [*swainsonii*], eine neue Sippe der Falconiden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 839, 840.  
Aus d. *Zool. Journ.*, ii, 1825, p. 65.
1830. VIGORS, N. A. *Naclerus* [*riocourii*], neue Sippe der Falconiden. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1042, 1043.  
Uebers. d. *Zool. Journ.*, ii, 1825, p. 385.
1831. ASOX. The Bald Eagle [*Haliaeetus leucocephalus*]. < *D. J. Browne's The Naturalist*, i, No. xii, Dec., 1831, pp. 359-367.  
Popular account, chiefly compiled from Wilson.
1831. AUDUBON, J. J. An account of the habits of the American Goshawk (*Falco palumbarius*, Wils.). < *Edinb. Journ. Nat. Geogr. Sci.*, iii, 1831, pp. 145-147.  
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1831. BENNETT, [E. T.] [Remarks on two specimens of *Polyborus hypolencus* which had been living in the Society's Garden.] < *Philos. Mag.*, ix, 1831, pp. 63, 64.  
From *P. Z. S.*, Dec. 14, 1830, p. 13.



1831. BLACKWALL, J. On an undescribed Bird of the Family Falconidæ [*Gampsonyx holmii*]. < *Philos. Mag.*, x, 1831, pp. 264, 265.
1831. HOY, J. D. Peregrine Falcon. < *London's Mag. Nat. Hist.*, iv, 1831, pp. 146, 147.  
*Falco peregrinus* at Thetford, England.
1832. [FRIES, B. F.] Om Jagt-Falken [F. gyrfalko]. Med planche. < *Tidsk. f. Jägare o. Naturf.*, i, 1832, pp. 352-363, med. kol. fig.  
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1832. "J. M." Great Harpy Eagle. < *London's Mag. Nat. Hist.*, v, 1832, p. 452.  
 One said to have been sent from Mobile, Florida (*i. e.*, Alabama), in Sept., 1828.
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 From Buenos Ayres; 3 feet long, expanse 9 feet, bill 4 inches, etc. Seen living in a collection. *Thrasaïti?*—or what?
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1834. LAFRESNAYE, F. DE. Cymindis. Cymindis. Cuv. C. bec en croc. C. uncinatus. Tem. col. 103, 104 et 115 (En livrée jusqu'alors non décrite.) < *Guér. Mag. de Zool.*, 4<sup>e</sup> année, classe ii, notice xxi, pl. xxi.
1834. LAFRESNAYE, F. DE. Cymindis. Cymindis. Cuvier. C. a manteau noir. Cuv.—Petit autour de Cayenne. Buff.—*Falco Cayennensis*. L. Gmel. (Dans la livrée qui précède celle de l'adulte, qui est la Buse mantelée, *Falco pallatus*, Pr. Max. Tem., col. 204; et le Cymindis busoïde, C. buteonides. Lesson, *Traité*, p. 55.) < *Guér. Mag. de Zool.*, 4<sup>e</sup> année, 1834, classe ii, notice xxii, pl. xxii.
1836. ANON. A Falco [Pandion] *Haliaëtus* L. shot near Oxford. < *London's Mag. Nat. Hist.*, ix, 1836, p. 597.
1836. DENNIS, G. E. The Osprey [*Pandion haliaëtus*]. < *London's Mag. Nat. Hist.*, ix, 1836, pp. 202, 203.  
 Anecdote, from *Morning Chronicle*, Dec. 1, 1835.
1836. DUGMORE, H. [Note on *Haliaëtus albicilla* in confinement.] < *P. Z. S.*, iv, 1835, p. 49.
1836. TURNER, H. Sea Eagle (*Aquila* [*Haliaëtus*] *albicilla*). < *London's Mag. Nat. Hist.*, ix, 1836, p. 203.  
 From *Bury and Suffolk Herald*, Dec. 16, 1835.

1837. BREHM, C. L. Ueber das Betragen der männlichen Raubvögel gegen ihr brütendes Weibchen und die Jungen. < *Oken's Isis*, Bd. xxx, 1837, pp. 367-374.  
Versammlung der Naturforscher und Aerzte zu Jena am 18. September 1836.
1837. HAMILTON, H. [Letter announcing a donation of a Chilian Eagle.] < *P. Z. S.*, v, 1837, p. 67.
1837. YARRELL, W. [Exhibition of a Quill, filled with a species of *Pediculus*, from the wing of a Harpy Eagle (*Thrasaëtus harpya*).] < *P. Z. S.*, v, 1837, p. 127.
1838. HANCOCK, J. Occurrence of *Falco Islandicus* in England. < *Annals of Nat. Hist.*, ii, 1838, p. 159.
1838. HANCOCK, J. Remarks on the Greenland and Iceland Falcons, showing that they are distinct Species. < *Annals of Nat. Hist.*, ii, 1838, pp. 241-250, pl. x.  
Carefully distinguishing the two. This article is usually referred to with much respect for its accuracy.
1838. ROBERTSON, C. [Letter on the capture of a Peregrine Falcon at sea.] < *P. Z. S.*, vi, 1838, p. 77.
1838. THOMPSON, W. Golden and Sea Eagle, *Aquila chrysaëtus* and A. [*Haliaëtus*] *albicilla* [in Ireland]. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, p. 164.
1838. THOMPSON, W. Bald Eagle, *Haliaëtus leuccephalus*, Savig. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 164, 165.  
Note of habits.
1838. TOWNSEND, T. Capture of the White-tailed Eagle, (*Falco albicilla*: Penn. Mont. *Haliaëtus albicilla*, Selby), on the Suffolk Coast, February 22nd, 1838. < *Charlesw. Mag. Nat. Hist.*, ii, 1838, pp. 292, 293.
1839. DUGMORE, H. Capture of an Eagle [*Haliaëtus albicilla*] at Swaffham. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, p. 198.
1839. HANCOCK, J. Remarks on the Greenland and Iceland Falcons. < *Rep. Brit. Assoc. Adv. Sci. for 1838*, vii, 1839 (*Misc. Comm.*), p. 106.
1839. LAFRESNAYE, [F.] DE. Nouvelle classification des oiseaux de proie ou rapaces. < *Revue Zoologique*, ii, 1839, pp. 193-196.  
I<sup>re</sup> fam. *Vulturide*; 1<sup>re</sup> sousfam. *Didine*, 2<sup>o</sup> *Cathartine*, 3<sup>e</sup> *Vulturine*, 4<sup>e</sup> *Gypaetine*; II<sup>e</sup> fam. *Falconide*, avec 7 sousfamilles; III<sup>e</sup> fam. *Gypsoacranide*.
1839. LESSON, R. P. Tableau de la famille des oiseaux Accipitres (Raptore). < *Revue Zoologique*, ii, 1839, pp. 132, 133.  
I<sup>re</sup> sect., *Diurnes*, 4 fam.; II<sup>e</sup> sect., *Nocturnes*, 1 fam.
1839. WEISENBORN, W. Curious capture of a White-headed Eagle [*Haliaëtus albicilla*]. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, pp. 197, 198.
1839. WIEGMANN, A. F. A. Ueber den Seeadler (*Falco* [*Haliaëtus*] *albicilla*). < *Preuss. Provinzialbl.*, xxii, 1839, pp. 525-536.  
Mir nicht zugänglich.
1841. BELANY, J. C. A | Treatise | upon | Falconry. | In two parts. | By | James Cockburn Belany. | [Quotations, 7 lines.] | Berwick-upon-Tweed:—printed for the author. | 1841. 1 vol. 8vo. pp. i-xii, 1-278, 1-6; frontisp.  
Part First. Containing Observations upon the Nature, Antiquity, and History of Falconry, pp. 1-116.  
Part Second. Containing Notices of the different Hawks used in British Hawking, the Proper Method of Keeping, Training, and Flying the Birds, the Apparatus belonging to the Art, &c., pp. 117-277.  
Terms in Falconry, pp. 1-6.
1841. JAMESON, R. On the Affinities of the Falconidae. < *Calcutta Journ. Nat. Hist.*, i, 1841, pp. 307-324. (Auch in d. *Isis*, 1843, pp. 810-812.)  
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1841. SCHLEGEL, H. Abhandlungen | aus dem | Gebiete | der Zoologie und Vergleichenden Anatomie, | von | H. Schlegel. — | 1 Heft. — | Leiden, | A. Arnz & Comp. | 1841. | Zu beziehen durch alle solide Buchhandlungen des In- und Auslandes. 1 vol. 4to. 2 p. ll., pp. 1-41, 1-12, 1-20, 1 l., pll. i-xv.  
This consists of 3 separately paged articles, the first two upon *Cetacea*, the third (perhaps better citable separately) as follows: III. Beschreibung einiger neuen grossen Edelfalken, aus Europa und dem Nordlichen Afrika, pp. 1-20, pll. x-xv.—*Falco feldeggii*, p. 3, pll. x, xi; *F. tangpterus*, Licht., p. 8, pll. xii, xiii.—Fortsetzung: *F. jugger*, p. 13, pl. xv. Folgt schliesslich eine Uebersicht aller bekannten grossen Edelfalken: A. Langschwänzige Arten, 9 spp.—1. *F. candicans*, Gm.; 1a, *F. c. islandicus*; 2, *F. gyrfalco*; 3, *F. subniger*, Gr.; 4, *F. mexicanus*, Licht. M. B., p. 15, sp. n.; 5, *F. hypoleucos*, Gould; 6, *F. tangpterus*, Licht.; 7, *F. lunarius*; 7a, *F. l. alpinus*, pl. xiv; 7b, *F. l. ferrugalis*, Licht. M. B., p. 17; 8, *F. sacer*; 9, *F. jugger*. B. Kurzschwänzige Arten.—1, *F. communis*; 1a, *F. c. americanus*, p. 19; 1b, *F. c. australis*, p. 19; 1c, *F. c. indicus*; 1d, *F. c. minor*; 2, *F. peregrinoides*.
1841. YARBELL, [W.] [Eine Schwungfeder vom Harpy-Eagle (*Harpyia destructor*).] < *Oken's Isis*, Bd. xxxiv, 1841, p. 942, 943.  
*Proc. Zool. Soc. Lond.*, Nov. 14, 1837, p. 127.
1842. HALDEMAN, S. S. [Proposed Changes of Nomenclature of certain Genera.] < *Proc. Acad. Nat. Sci. Phila.*, i, 1842, pp. 187, 188.  
In ornithology, one only—*Anupia*, p. 188, g. n. = *Harpyia*, Cav., preoccupied.
1842. LAFRESNAYE, [F.] DE. Description d'un nouveau genre d'Oiseau de proie [Harpyhalieetus]. < *Revue Zoologique*, v, 1842, p. 173.
1842. LESSON, [R. P.] Nouveau Genre d'Oiseau de proie [Carnifex]. < *Revue Zoologique*, v, 1842, pp. 378-380.  
*L'Écho du Monde Savant*, 9<sup>e</sup> année, p. 1081.  
Ce n'est qu'une synonyme de *Micrastur*.
1843. EDMONSTON, T., JR. Note on the capture of the Sea Eagle (*Haliaëtus albicilla*) in Shetland. < *Zoologist*, i, 1843, pp. 36-39.
1843. HEPPESTALL, J. The Osprey, (*Pandion Haliaëtus*) [near Sheffield]. < *Zoologist*, i, 1843, pp. 14, 15.
1843. JAMESON, R. Ueber die Verwandtschaften der Falconiden. < *Oken's Isis*, Bd. xxxvi, 1843, pp. 810-812.  
*Calcutta Journ. Nat. Hist.*, 1841, p. 307.
1844. FRASER, L. [Description of three New Species of Birds.] < *P. Z. S.*, Feb. 27, 1844, pp. 37, 38.  
Among them "*Lagopus*" *ferrugineus*, p. 37 = *Archibuteo ferrugineus* (Licht.) from Mexico. Very curiously, the two authors here concerned independently selected the same name for the species. Lichtenstein has priority, having described his bird as *Falco (Buteo) ferrugineus* from California in 1839 (*Abhandl. Berlin. Akad. aus d. Jahre 1838*, p. 428.)
1844. FRASER, L. [On three lately new Species of Birds.] < *Ann. Mag. Nat. Hist.*, xiv, 1844, pp. 452, 453.  
*Lagopus ferrugineus*, *Psittacus Tinnch*, *Ptyctolophus citrino-cristatus*. From *P. Z. S.*, Feb. 27, 1844, pp. 37, 38, q. v.
1844. GERBE, Z. Note sur un OËuf d'Aigle, recueilli dans le département de l'Aube et attribué avec doute à l'Aigle royal (*Aquila chrysaetos*). < *Revue Zoologique*, vii, 1844, pp. 440, 441.
1844. GRAY, G. R. [List of Birds in the British Museum. Part I.—Raptores. London: 1844.]  
This is the date of the orig. ed., the title of which I cannot give, having yet to see a copy. There is a 2d ed., 1818, q. v.
1844. HANCOCK, J. Bemerkungen über den Unterschied des gröñ- und isländischen Falken. < *Oken's Isis*, Bd. xxxvii, 1844, pp. 668-671.  
*Ann. Nat. Hist.*, Bd. ii, No. x, 1838, pp. 241-250, q. v.
1844. HARDY, J. Quelques observations sur le Faucon pèlerin, *Falco peregrinus*, Linn., faites dans l'arrondissement de Dieppe. < *Revue Zoologique*, vii, 1844, pp. 289-291.

1844. HARRIS, E. [Exhibition of a specimen of *Cymindis hamatus* from Florida.] < *Proc. Acad. Nat. Sci. Phila.*, ii, 1844, p. 65.
1844. MANSELL, T. Occurrence of the Osprey [*Pandion haliaëtus*] near Farnham. < *Zoologist*, ii, 1844, p. 443.
1844. NEWTON, A. Note on the occurrence of the Sea Eagle [*Haliaëtus albicilla*] at Elden, near Thetford. < *Zoologist*, ii, 1844, p. 443.
1844. NORMAN, G. Note on the occurrence of the Rough-legged Buzzard [*Archibuteo lagopus*] at Hull. < *Zoologist*, ii, 1844, p. 491.
1845. BARLOW, J. W. Occurrence of the Golden Eagle [*Aquila chrysaëtus*] in Cheshire. < *Zoologist*, iii, 1845, p. 1022.
1845. BOLD, T. J. Occurrence of the Iceland Falcon [*Falco islandicus*] and Rough-legged Buzzard [*Archibuteo lagopus*] in Northumberland. < *Zoologist*, iii, 1845, p. 935.  
With quotation of more detailed statements from *Morning Chronicle*, Feb. 6, 1845.
1845. DES MURS, O. Notice sur le genre Aigle *Aquila*. < *Revue Zoologique*, viii, 1845, pp. 271-274.
1845. EDITORIAL. *Falco islandicus* [shot near the North Tyne]. < *Ann. Mag. Nat. Hist.*, xv, 1845, pp. 213, 214.
1845. GURNEY, J. H. The supposed Chanting Falcon [= *Circus cyaneus*]. < *Zoologist*, iii, 1845, p. 1022.
1845. KAUP, J. J. Ueber Falken. Mit besonderer Berücksichtigung der im Museum der Senckenbergischen naturforschenden Gesellschaft aufgestellten Arten. < *Mus. Senckenb.*, Bd. iii, Heft iii, 1845, pp. 229-262.  
This article, which I have not seen, appears to be the first of several by this author on the same subject; it is noticed in *Isis*, 1846, pp. 315, 316, and may be regarded as the forerunner of the "Monographien der Genera der Falconidae" in *Isis*, 1847, pp. 39-89, 83-121, 161-212, 241-283, 325-386, 954, 955; 1848, pp. 772-774; "Monograph of the *Falconidae*" in *Jard. Contr. Orn.*, 1849, pp. 68-121; 1850, pp. 51-89; and "Corrigirte Uebersicht der *Falconidae*," in *Arch. f. Naturg.*, 1850, (i), pp. 27-41; *qq. vv.*—In the course of these several publications many new names are proposed, conferring some vitality upon a set of papers which would otherwise be only consulted now from motives of curiosity by one desiring to know to what lengths the quinnian craze may carry its victims. I give these new names, or many of them, under head of the *Isis* article, 1847-48, *q. v.* See also same author at 1849-50, and 1850.
1845. LAFRESNAYE, [F.] DE. Sur le *Falco isidori*, Desmurs: *Revue Zool.* 1845, p. 175. < *Revue Zoologique*, viii, 1845, pp. 209-211.
1845. ROBERTSON, C. [Ueber *Falco peregrinus*.] < *Oken's Isis*, xxxviii, 1845, p. 374. *Proc. Zool. Soc. Lond.*, vi, 1838, p. 77.
1845. ROSS, F. W. L. Occurrence of the Osprey [*Pandion haliaëtus*] in Devonshire. < *Zoologist*, iii, 1845, p. 1190.
1845. SLADEN, E. Supposed occurrence of the Chanting Falcon ["*Falco musicus*"—*i. e.*, *Circus cyaneus*] in Suffolk. < *Zoologist*, iii, 1845, pp. 935, 936.  
From *Kentish Gazette*, Mar. 18, 1845.
1846. ANON. Ueber Falken mit besondere Berichtigung der im Museum der senckenbergischen naturforschenden Gesellschaft aufgestellten Arten von Dr. Kaup, Inspector des zoologischen Museums zu Darmstadt. (*Museum senckenbergianum*, III.) 1845. 4. 231-262. < *Oken's Isis*, Bd. xxxix, 1846, pp. 315, 316.
1846. HALLOWELL, E. On the Anatomy [Osteology] of *Harpyia destructor*, Cuv., or Harpy Eagle of South America. < *Proc. Acad. Nat. Sci. Phila.*, iii, 1846, pp. 84-88.
1846. LAFRESNAYE, F. DE. Mélanges ornithologiques. < *Revue Zoologique*, ix, 1846, pp. 124-133.  
Sur les genres *Ariceda* (Swamson), *Lophotes* (Lesson), *Lépidogenys* (Gould), et sur deux nouvelles espèces du genre *Ariceda*; *A. verreauxii*, p. 130; *A. butcoides*, p. 133.

1846. THIENEMANN, F. A. L. Kritische Revision der europäischen Jagdfalken. < *Rhea*, Heft i, 1846, pp. 44-93, pll. i, ii.  
„Vortreffliche, die reiche Literatur des Gegenstandes kritisch bewältigende Arbeit.“—1. *Falco gyrfalco*, Alb. Mag., p. 50. 2. *F. cyanopus*, Gesn., p. 62, pll. 3. *F. rubrus* [sic], Alb. Mag., p. 72. 4. *F. gentilis*, p. 77.—*F. subbuteo*, p. 87; *F. asalon*, p. 89; *F. sacer*, p. 91.—A. *F. sacer*. B. *F. montanarius*. C. *Falcones lanarii*.
1846. TYZENHAUZ, C. Remarques sur les Aigles d'Europe. < *Revue Zoologique*, ix, 1846, pp. 322-326.  
7 espèces, des genres *Aquila* et *Haliaëtus*.
1846. WOLLEY, J. Occurrence of the Rough-legged Buzzard [*Archibuteo lagopus*] in Nottinghamshire and Derbyshire. < *Zoologist*, iv, 1846, p. 1247.
1847. ANON. Occurrence of the Golden Eagle [*Aquila chrysaëtus*] near Hungerford. < *Zoologist*, v, 1847, p. 1695.
1847. CASSIN, J. Description of a new rapacious Bird [*Cymindis wilsonii*] in the Museum of the Academy of Natural Sciences of Philadelphia. < *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, pp. 199, 200.
1847. CASSIN, J. Description of a new rapacious Bird in the Museum of the Academy of Natural Sciences of Philadelphia. < *Am. Journ. Sci.*, iv, 1847, pp. 255, 256.  
*Cymindis wilsonii*; from *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, p. 199.
1847. CASSIN, J. Description of a new rapacious Bird in the Museum of the Academy of Natural Sciences of Philadelphia. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 356.  
*Cymindis wilsonii*; from *Am. Journ. Sci.*, Sept., 1847, p. 285.
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Descr. orig. *P. Z. S.*, 1858, pp. 128-133, the species being here figured in colors.—Pl. 59, *Buteo zonocercus*; pl. 60, *Syrnium albitarse*; pl. 61, *Scops usta*.
1859. SCLATER, P. L. Description of a New Species of the genus Buteo (*B. fuliginosus*) from Mexico. < *Trans. Zool. Soc. Lond.*, iv, pt. vi, 1859, p. 267, pl. 62.  
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1860. CREWE, H. H. Occurrence of the Osprey (*Falco* [Pandion] *haliaëtus*) in Derbyshire. < *Zoologist*, xviii, 1860, p. 6889.
1860. DUTTON, J. Whitetailed Eagle (*Falco* [Haliaëtus] *albicilla*) near Eastbourne. < *Zoologist*, xviii, 1860, pp. 6888, 6889.
1860. DUTTON, J. Peregrine Falcon (*Falco peregrinus*) near Eastbourne. < *Zoologist*, xviii, 1860, p. 6889.
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1860. GLOGER, C. W. L. Die grössere Länge der Schwung- und Schwanzfedern bei den jungen Adlern [u. s. w.]. < *J. f. O.*, viii, 1860, pp. 209-211.  
*Aquila, Haliaëtus.*
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1860. PELZELN, A. V. Zur näheren Kenntniss des *Morphnus guianensis* (Daud.) < *J. f. O.*, viii, 1860, pp. 337-340.
1860. ROBERTS, A. Occurrence of the Osprey (*Falco* [Pandion] *haliaëtus*) at Sherburne. < *Zoologist*, xviii, 1860, p. 7104.
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1860. SCLATER, P. L. On the Eggs of Two Raptorial Birds from the Falkland Islands. < *Ibis*, ii, 1860, pp. 24-28, pl. i.  
Pl. i, fig. 1, *Milvago australis*; fig. 2, *Cathartes* sp., wrongly identified as *Milvago australis*; fig. 3, *Buteo erythronotus*.
1860. TAYLOR, J. Note on *Falco Islandicus* and *F. Greenlandicus*. < *Rep. Brit. Assoc. Adv. Sci. for 1859, 1860 (Misc. Comm.)*, p. 158.  
Confirming J. Hancock's determination.
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1861. BRYANT, H. Remarks on the variations of plumage in *Buteo borealis*, Aud., and *Buteo harlani*, Aud.? < *Proc. Bost. Soc. Nat. Hist.*, viii, 1861, pp. 107-119.  
Extended description and criticism of the various current nominal species, which are to be reduced to one or the other of these two. But the "*Buteo harlani* Aud.?" of this paper is not of Aud., being *B. swainsoni* Bp. Cf. *Ibis*, 1862, pp. 184, 185.
1861. SCLATER, P. L. Note on *Milvago carunculatus* and its allied species. < *Ibis*, iii, 1861, pp. 19-23, pl. i.  
Full description from Des Murs' mss. ined., with critical observations on the genus.
1861. SCLATER, P. L. On a rare Species of Hawk, of the Genus *Accipiter* [*pectoralis*] from South America. < *Ibis*, iii, 1861, pp. 313, 314, pl. x.
1861. NORDMANN, A. V. *Aquila Fulva* L. (Goldadler) im Gefecht. < *Zool. Gart.*, ii, 1861, p. 68.  
*Bull. Soc. Imp. Natur. Moscou*, 1860, p. 7.
1861. ORDE, J. W. P. [Letter on the breeding of *Aquila chrysaëtus* in a fir-tree in Perthshire.] < *Ibis*, iii, 1861, pp. 112, 113.
1861. ORDE, J. W. P. [Note on an *Hierofalco* shot Oct., 1860, on North Uist.] < *Ibis*, iii, 1861, p. 415.
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An elaborate examination of the question, with extended descriptions of various forms.

1862. CHENU, J. C., and DES MURS, O. La | Fauconnerie | Ancienne et Moderne | par | J. C. Chenu et O. Des Murs | — | Supplément au tome deuxième | des | Leçons Élémentaires sur l'Histoire Naturelle des Oiseaux | [Dessin.] | Paris | Librairie L. Hachette et Cie | 77, Rue Saint-Germain, 77 | — | 1862. 1 vol. in-12°. faux-titre, titre, et pp. 1-176, figg. 1-45, + 7; exemplaires en couleur ou en noir.  
Aperçu historique, p. 1—Description des Faucons, p. 47, figg. 7-21—Éducation des Oiseaux de vol, p. 79—Observations sur le vol des Oiseaux, p. 131—Liste alphabétique des termes de Fauconnerie, p. 151.
1862. PELZELN, A. V. [On the habitat of *Accipiter pectoralis* (Brazil).] < *Ibis*, iv, 1862, p. 194.
- 1862-63. PELZELN, A. V. Uebersicht der Geier und Falken der kaiserlichen ornithologischen Sammlung. < *Verh. (Abh.) k.-k. zool.-bot. Ges. Wien*, xii, 1862, Abth. ii, pp. 123-192; xiii, 1863, pp. 585-636.  
Enthaltend das systematische Verzeichniss der in der Kais. Ornith. Samml. aufbewahrten *Falturnide*, *Cathartide* und *Falconide*. Der Uebersicht ist im Allgemeinen das von G. R. Gray (in: *G. of B.* und *List of G. of B.*, 1855) System zu Grunde gelegt, ohne jedoch einzelne Abänderungen auszuschliessen. Am Schlusse hat der Verf. die reichen und werthvollen von Natterer während seiner Reise gemachten und in dem Cataloge (msc.) seiner brasilischen Sammlung enthaltenen Notizen über die von ihm gesammelten Arten der hier besprochenen Gruppen zusammengestellt.—*Handschriftliche Notizen* von J. Natterer, pp. 171-191 (1862), 631-636 (1863).—Cf. *Ibis*, 1864, p. 123.
1862. ROBERTS, A. Occurrence of the Golden Eagle [*Aquila chrysaetus*] near Driffield. < *Zoologist*, xx, 1862, p. 7880.
1862. SAVILLE, S. P. Occurrence of the Peregrine Falcon [*Falco peregrinus*] in Cambridgeshire. < *Zoologist*, xx, 1862, p. 7843.
1862. SCHLEGEL, H. Falcones < *Mus. Hist. Nat. Pays-Bas*, 1<sup>re</sup> livr. Août 1862, pp. 1-36.  
Treats of 35 spp. and several subssp., all referred to the genus *Falco*; constituting a synonymic and descriptive catalogue of the 337 specimens of *Falconinae* in the Leyden Museum.
1862. SCHLEGEL, H. Aquilae < *Mus. Hist. Nat. Pays-Bas*, 1<sup>re</sup> livr., Sept., 1862, pp. 1-24.  
Treats of 20 species of "Eagles", namely: 8 referred to the genus *Aquila*, 11 to *Haliaetus*, and 1 to *Pandion*; representing a synonymic descriptive list of the 182 specimens contained in the Leyden Museum.
1862. SCHLEGEL, H. Astures < *Mus. Hist. Nat. Pays-Bas*, 1<sup>re</sup> livr., Sept., 1862, pp. 1-58.  
The "Astures" of this author include *Gypogeryon*, which remarkable form is ranged in the genus *Astur* itself—a piece of "conservatism" so extreme as to be justly reprehensible, and to tend to bring the author's faculty of discernment into discredit—unless, indeed, be intended by such course to satirize some of his contemporaries. Fifty-five species are treated, of the three genera *Spizaetus* (9), *Astur* (18), and *Nisus* (27).—*Nisus verreauxii*, p. 37, sp. n.
1862. SCHLEGEL, H. Asturinae < *Mus. Hist. Nat. Pays-Bas*, 1<sup>re</sup> livr., Sept., 1862, pp. 1-14.  
Treating of 15 spp. of one genus, *Asturina*, represented by 52 specimens in the Leyden Museum.
- 1862-63. SCHLEGEL, H. Buteones < *Mus. Hist. Nat. Pays-Bas*, 1<sup>re</sup> livr., Août 1862, pp. 1-4; 2<sup>e</sup> livr., 1863, pp. 5-30.  
Whole article dated Aug., 1862, and pp. 1-4 pub. that year; pp. 5-30, in livr. 2, not pub. as a whole till 1863, though the loose signatures may have been out in 1862. The "*Buteones*", 31 in number, are referred to the 2 genera *Buteo* (23) and *Circus* (8). A descriptive and synonymic list of 193 specimens in the Leyden Museum.—*Buteo cabanisi*, p. 11, sp. n.? *Circus bacha celebensis*, p. 27, sp. n.? The series of articles on the Raptores continues in the 2<sup>e</sup> livr. 1863; and there is a general review of the whole subject, of date 1873.
1862. SCLATER, P. L. Note on *Falco circumcinctus* [P. Z. S. 1851, 42], a rare Bird of Prey from South America. < *Ibis*, iv, 1862, pp. 23-25, pl. ii.  
Cf. *Falco punctipennis*, Burm., *J. f. O.*, 1860, p. 242.
1863. ALLIS, T. H. The Osprey [*Pandion haliaetus*] near Bury St. Edmunds. < *Zoologist*, xxi, 1863, pp. 8677, 8678.
1863. BAKER, J. Osprey [*Pandion haliaetus*] in Cambridgeshire. < *Zoologist*, xxi, 1863, p. 8813.
1863. BAKER, J. Marsh [*Circus aeruginosus*] and Montagu's [*Circus cineraceus*] Harriers in Norfolk. < *Zoologist*, xxi, 1863, p. 8765.

1363. BLAKE-KNOX, H. Marsh Harrier [*Circus æruginosus*], Peregrine Falcon [*F. peregrinus*], Iceland Falcon [*F. grœnlandicus*, see Zool. 8678], &c., in Ireland. < *Zoologist*, xxi, 1863, p. 8523.  
Notice, also, of *Falco œsalon* and *Alca alle*.
1363. BOBINUS, Dr. [Tuberculose bei Ranbvögeln, n. s. w.] < *Zool. Gart.*, iv, 1863, pp. 68-71.
1363. BOULTON, W. W. The Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) in Yorkshire. < *Zoologist*, xxi, 1863, p. 8411.
1363. DUTTON, J. Hen Harrier (*Falco* [*Circus*] *cyaneus*) at Eastbourne. < *Zoologist*, xxi, 1863, p. 8484.
1363. KENT, R. The Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) and Hen Harrier (*Falco* [*Circus*] *cyaneus*) at Ashburham Park. < *Zoologist*, xxi, 1863, p. 8442.
1363. HARTING, J. E. Peregrine Falcon (*Falco peregrinus*) at Haverfordwest. < *Zoologist*, xxi, 1863, p. 8523.
1363. HARTING, J. E. The Osprey [*Pandion haliaëtus*] near Uxbridge. < *Zoologist*, xxi, 1863, p. 8813.
1363. HOMMEYER, A. V. Kampf eines Seeadlers [*Haliaëtus albiella*] mit einem Fuchse. Mit Zusatz von Dr. Gloger. < *J. f. O.*, xi, 1863, pp. 155-159.
1363. MAXIMILIAN, PRINZ VON WIED. Ueber das vollkommene Gefieder des *Morphnus guianensis*. < *J. f. O.*, xi, 1863, pp. 1-3.
1363. PELZELN, A. V. Ueber die Färbung des *Morphnus guianensis* (Daud.) und *M. Harpyia* (L.). < *J. f. O.*, xi, 1863, pp. 121-132.
1363. RODD, E. H. Occurrence of the Osprey [*Pandion haliaëtus*] near Hayle. < *Zoologist*, xxi, 1863, p. 8841.
1363. RODD, E. H. Marsh Harrier [*Circus æruginosus*] in the Scilly Isles. < *Zoologist*, xxi, 1863, p. 8841.
1363. SAVILLE, S. P. Roughlegged Buzzard (*Falco* [*Archibuteo*] *lagopus*) in Cambridgeshire. < *Zoologist*, xxi, 1863, p. 8441.
1363. SAXBY, H. L. Iceland Falcon (*Falco islandicus*) in Shetland. < *Zoologist*, xxi, 1863, p. 8484.
1363. SAXBY, H. L. The Osprey [*Pandion haliaëtus*] in Shetland. < *Zoologist*, xxi, 1863, p. 8677.
1363. SCHLEGEL, H. *Milvi* < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Oct., 1862, pp. 1-12, (Pub. 1863.)  
This monograph is dated Oct., 1862, and the sheet may have been out that year, but the livr. was not pub. as a whole until 1863.  
*Milvus* (6), *Elanoides* (2), *Elanus* (6), *Ictinia* (2) = 16 spp., represented by 79 specimens, a list of which is given, with synonymy and description. *Elanus intermedius*, p. 7, sp. n.
1363. SCHLEGEL, H. *Pernes* < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Nov., 1862, pp. 1-10, (Pub. 1863.)  
Memoir dated Nov., 1862, and the sheet may have been out that year; but this livraison not pub. as a whole until 1863. Treats of *Pernis* (2), *Baza* (4), *Macheiramphus* (1), *Cymindis* (2) = 9 spp., represented in the Leyden Museum by 43 specimens.
1363. SCHLEGEL, H. *Polybori* < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Nov., 1862, pp. 1-10, (Pub. 1863.)  
This memoir is dated Nov., 1862, and may have been out that year; but the livraison containing it was not pub. till 1863. Treats of 5 spp. of *Polyborus* and 4 of *Ibictor* (sic), represented by 28 specimens in the Leyden Museum.

1863. SCHLEGEL, H. Vultures < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Nov., 1862, pp. 1-12.  
Article dated Nov., 1862, and may have been out that year, but the livr. not pub. till 1863.  
The "Vultures" of the author, whose classificatory instincts are anachronistic, tending always to retrogression, include the very distinct group of *Cathartidæ* with the Old World Vulturines.—There are here treated 6 spp. of *Cathartidæ* in the single genus *Cathartes*, with 2 of *Neophron*, 6 (including several subsp.) of *Vultur*, and 1 (with a subsp.) of *Gypætus*; represented by 94 specimens in the Leyden Museum.
1863. SCHLEGEL, H. Circi < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., Dec., 1862, pp. 1-12. (Pub. 1863.)  
The article is dated Dec., 1862, and the signature (13) may have been distributed that year; but the livr. was not pub. till 1863.  
It treats of eleven spp. and one subsp. of the genus *Circus*, represented by 118 specimens in the Leyden Museum, being a synonymatic and descriptive list thereof.
1863. [SCHLEGEL, H.] Aves Rapaces. Résumé Général. 31 Décembre 1862. < *Mus. Hist. Nat. Pays-Bas*, 2<sup>e</sup> livr., 1863, 1 feuille.  
A large loose folded sheet, not paged, issued with livr. 2<sup>e</sup>, giving a tabular view of the author's system of classification of the *Rapaces*, according to which the several articles are recommended to be bound, viz: *Oti* (No. 11), *Striges* (No. 12), *Falcones* (No. 2), *Circi* (No. 13), *Aquilæ* (No. 3), *Asturæ* (No. 4), *Asturineæ* (No. 5), *Buteones* (No. 6), *Milvi* (No. 7), *Pernes* (No. 8), *Polybori* (No. 9), *Vultureæ* (No. 10).—Also noting additions to the collection, bringing the total of species to 333, of specimens to 2,002.
1863. SCLATER, P. L. Note on the Occurrence of the European Sea-Eagle [*Haliaëtus albicilla*] in North America. < *P. Z. S.*, xxxi, 1863, pp. 251-253.  
But cf. *P. Z. S.*, 1865, p. 731.
1863. STEVENSON, H. The Roughlegged Buzzard (*Buteo* [Archibuteo] lagopus) on the Norfolk Coast. < *Zoologist*, xxi, 1863, p. 8325.
1863. WHEELWRIGHT, H. The Norwegian Jer-Falcon (*Falco Jer-falco norvegicus* of Wooley, "rip-spenning," Lap., "jagt falk," Sw.). < *Zoologist*, xxi, 1863, pp. 8439-8441.
1863. WHEELWRIGHT, H. The Roughlegged Buzzard [*Archibuteo lagopus*]. < *Zoologist*, xxi, 1863, pp. 8441, 8442.
1864. ADOLPHI, R. [Haltung der Raubvögel.] < *Zool. Gart.*, v, 1864, p. 21.
1864. ALLEN, J. A. Notes on the Habits and Distribution of the Duck Hawk, or American Peregrine Falcon [*Falco peregrinus*], in the Breeding Season, and Description of the Eggs [from Mt. Tom, Mass.]. < *Proc. Essex Inst.*, iv, 1864, art. x, pp. 153-161.
1864. ANON. A Jerfalcon shot in the South of Scotland. < *Zoologist*, xxii, 1864, p. 8875.
1864. BLASIUS, R. Die Adler. (Beilage xi. zum Berichte über die xiv. Versamml. der Deutsch. Ornith. Gesellsch.) < *J. f. O.*, xi, 1863, besond. Beigabe, pp. 76-106. (Pub. 1864.)  
Full descriptions, with extensive tables of measurement, of 7 spp.
1864. BLASIUS, J. H. Zur Unterscheidung des Duenekleides der Raubvögel. < *J. f. O.*, xii, 1864, pp. 276-289.  
a. Der untere Theil des Laufs ist mit Netztafeln besetzt, der obere befiedert (*Falco*, *Ela-nus*, *Pandion*, *Circætos*, *Pernis*). b. Der Lauf ist bis zur Zehenwurzel befiedert (*Aquila*, *Archibuteo*). c. Die unteren Theile des Laufs sind vorn mit umfassenden Quertafeln besetzt, die oberen vorn befiedert (*Buteo vulgaris*, *Haliaëtus*, *Milvus*, *Astur*, *Circus*). Many specific distinctions of European diurnal and nocturnal *Raptores* are also systematically drawn.
1864. BOULTON, W. W. Osprey [*Pandion haliaëtus*] near Beverley. < *Zoologist*, xxii, 1864, pp. 9207-9209.
1864. BOULTON, W. W. Peregrine Falcon [*Falco peregrinus*] at Flamborough. < *Zoologist*, xxii, 1864, p. 9209.
1864. DUTTON, J. Peregrine Falcons [*Falco peregrinus*] taken at Beachy Head and Seaford Cliffs. < *Zoologist*, xxii, 1864, p. 9209.

1864. GUNN, T. E. Whitetailed Eagle [*Haliaëtus albicilla*] near Wymondham. < *Zoologist*, xxii, 1864, p. 9019.
1864. GURNEY, J. H. A | Descriptive Catalogue | of | the Raptorial Birds | in the | Norfolk and Norwich Museum, | compiled and arranged | by | John Henry Gurney. | — | Part One: | containing | Serpentariidæ, Polyboridæ, Vulturidæ. | — | London: | John Van Voorst, Paternoster Row. | Norwich: Matchett and Stevenson, Market-place. | 1864. 1 vol. roy. 8vo (4to by sigs.). pp. i-vi, 7-90.
- Mr. Gurney's high name as an authority on Birds of Prey, and his accomplishments as a writer, render anything he has to say upon this subject important and interesting.
- Lists of 157 specimens, as well as 30 species, are given, with very full particulars on geographical distribution, food, nidification, general habits, colors of soft parts, etc.—constituting a treatise, rather than a catalogue, of the highest authority. Cf. *Ibis*, 2d ser., i, 1865, p. 99.
1864. HODGKINSON, J. B. Osprey [*Pandion haliaëtus*] near Preston. < *Zoologist*, xxii, 1864, p. 8875.
1864. HOMER, E. V. Raubvögelhorste [werden zu häufig von den verschiedensten Raubvögeln bewohnt]. < *J. f. O.*, xii, 1864, pp. 218, 219.
1864. HUSSEY, H. Eagles in the Highlands. < *Zoologist*, xxii, 1864, pp. 9206-9207.
1864. LUNGERSHAUSEN, L. [Haltung der kleineren Raubvögel.] < *Zool. Gart.*, v, 1864, pp. 265, 267.
1864. NEWTON, A. Ootheca Wolleyana: | An illustrated Catalogue | of | the collections of Birds' Eggs | formed by the late | John Wolley, Jun., M. A., F. Z. S. | Edited from the original notes | by | Alfred Newton, M. A., F. L. S., etc. | — | Part I. Accipitres. | — | London: | John Van Voorst, Paternoster Row. | M.DCCC.LXIV. 1 vol. 8vo. pp. i-viii, 1-180, with 1 l. of list of plates, col'd pl. ix (eggs), and A-I (landscape, nests, &c.).
- This work has been recognized as extremely accurate and reliable, the greatest possible pains having been taken to secure these results by the distinguished editor, who moreover based his work upon the collections and field-notes of one of the most conscientious and laborious of naturalists, and an oölogist of large experience. The Catalogue enters upon great detail in describing and illustrating the large series of the eggs of *Accipitres* collected by Mr. Wolley, and in presenting the record of his experiences in the field. There are treated no fewer than 55 species of the Western Palaæctic region, with many colored figures of eggs, and views of the nests, &c. Pl. I, *Neophron percnopterus*; II-IV, *Aquila chrysaëtus*; V, VI, *Pandion haliaëtus*; VIII, *Falco gyrfalco*; IX, figs. 1-4, *Nyctale tengmalmi*; 5-8, *Sornia ulula*; 9-12, *Syrnium lapponicum*.
1864. PAMPLIN, W. The Osprey [*Pandion haliaëtus*] in North Wales. < *Zoologist*, xxii, 1864, p. 9039.
1864. PRATT, H. The Whitetailed Eagle [*Haliaëtus albicilla*] at Shoreham. < *Zoologist*, xxii, 1864, p. 8875.
1864. ROWLAND, W. H. Whitetailed Eagle [*Haliaëtus albicilla*] in Savernake Forrest. < *Zoologist*, xxii, 1864, p. 9020.
1864. SWINHOE, R. Natural-History Notes, principally from Formosa. < *Zoologist*, xxii, 1864, pp. 9224-9229.
- Only ornithological in a paragraph on *Pandion*.
1865. ANON. Für Jagdfreunde. < *Zool. Gart.*, vi, 1865, p. 75.
- Note on *Falco islandicus* and *Haliaëtus albicilla*.
1865. BOWER, W. Whitetailed Eagle [*Haliaëtus albicilla*] in Sussex. < *Zoologist*, xxiii, 1865, p. 9465.
1865. BRUNTON, T. Peregrine Falcon [*Falco peregrinus*] breeding on the Antrim Coast. < *Zoologist*, xxiii, 1865, p. 9625.
1865. BRYANT, H. Remarks on the Type of *Buteo insignatus* Cassin. < *Proc. Boston Soc. Nat. Hist.*, x, 1865, pp. 90, 91.
- Identified with *B. swainsoni*.

1865. CASSIN, J. Notes on Some New and little known Rapacious Birds. < *Proc. Acad. Nat. Sci. Phila.*, xvii, 1865, pp. 2-5.  
*Polyborus audubonii*, p. 2, sp. n.; *Spilornis bacha*; *Haliaetus blagrus*; *Limnastus africanus*, sp. n., p. 4; *Otus stygius*.
1865. CREWE, H. H. [On *Pandion haliaëtus*, &c.] < *Ibis*, 2d ser., i, 1865, pp. 113, 114.
1865. GRAVIL, H. Peregrine Falcon and Merlin at Epworth. < *Zoologist*, xxiii, 1865, p. 9538.
1865. MATHEW, M. A. Osprey [*Pandion haliaëtus*] near Exeter. < *Zoologist*, xxiii, 1865, p. 9847.  
 From *Exeter and Plymouth Gazette*, Oct. 6, 1865.
1865. NEWCOME, E. C. [*Buteo lineatus*, shot Feb. 26, 1863, at Kingussie, Inverness-shire, Scotland.] < *Ibis*, 2d ser., i, 1865, p. 549.
1865. ROCKE, J. [On *Pandion haliaëtus* breeding in Scotland; cf. *Ibis*, 1865, p. 9.] < *Ibis*, 2d ser., i, 1865, p. 360.
1865. SCLATER, P. L. Description of a New Accipitrine Bird [*Leucopternis princeps*] from Costa Rica. < *P. Z. S.*, May 9, 1865, pp. 429, 430, pl. xxiv.
1865. SCLATER, P. L. [Correction of some previous remarks (*P. Z. S.*, 1863, p. 251) on the supposed occurrence of *Haliaëtus albicilla* in America.] < *P. Z. S.*, xxxiii, 1865, p. 731.
1866. ANGUS, W. C. Osprey [*Pandion haliaëtus*] and Golden Eagle [*Aquila chrysaëtus*] in Aberdeenshire. < *Zoologist*, 2d ser., i, 1866, p. 497.
1866. DILKE, C. W. [Letter on the occurrence of *Falco gyrfalco* near Farnham.] < *P. Z. S.*, xxxiv, 1866, p. 2.
1866. GUNN, T. E. Peregrine Falcon [*Falco peregrinus*] in Suffolk. < *Zoologist*, 2d ser., i, 1866, p. 96.
1866. GUNN, T. E. Roughlegged Buzzard [*Archibuteo lagopus*] in Suffolk. < *Zoologist*, 2d ser., i, 1866, p. 142.
1866. HARRISON, H. Osprey [*Pandion haliaëtus*] at Rostherne Mere. < *Zoologist*, 2d ser., i, 1866, p. 30.
1866. HARRISON, H. Jerfalcon at Crosby Ravensworth. < *Zoologist*, 2d ser., i, 1866, p. 30.
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1867. FEILDEN, H. W. Nesting of the Peregrine Falcon [*Falco peregrinus*]. < *Zoologist*, 2d ser., ii, 1867, p. 702.
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1867. HARVIE-BROWN, J. A. Roughlegged Buzzard [*Archibuteo lagopus*] in Dumfriesshire. < *Zoologist*, 2d ser., ii, 1867, pp. 604, 605.
1867. HOMER, A. V. Notizen über *Falco peregrinus*. < *J. f. O.*, xv, 1867, p. 143.  
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1868. GURNEY, J. H. [Note on the breeding of *Haliaëtus albicilla* in Mantchouria.] < *Ibis*, 2d ser., iv, 1868, pp. 129, 130.
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*Haliaëtus* spp. fish for themselves, not being always despoilers of *Pandion*; etymology and orthography of the generic name: *Haliaëtus*, and less properly in science the poetic form *Haliaëtus*, but never *Haliaetus*.
1868. [HOMER, A. V. ?] Kampf zwischen Adler und Fuchs. < *Aus. der Natur*, xlv, oder n. F., xxxiii, 1868, p. 544.
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 “. . . enceto agora a publicação dos catalogos das collecções zoologicas do musen de Lisboa. Os primeiros que se pôde levar à conclusão comprehendem duas ordens de aves, os *Psittacideos* ou *papagaios* e as *Aves de rapina*. Estes catalogos foram redigidos pelo sr. José Augusto de Sousa. . . Os *Psittacideos* constam de 204 especies e as *Aves de rapina* [pp. 29-62] de 223.” Cf. *Ibis*, 1870, pp. 134, 135.
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1869. GRAVIL, J. F., JR. Peregrine Falcon [*Falco peregrinus*] at Epworth. < *Zoologist*, 2d ser., iv, 1869, p. 1559.
1869. GRAVIL, J. F., JR. Hen Harrier [*Circus cyaneus*] at Epworth. < *Zoologist*, 2d ser., iv, 1869, p. 1560.
1869. GREGSON, C. S. The Peregrine Falcon [*Falco peregrinus*] breeding in Lancashire. < *Zoologist*, 2d ser., iv, 1869, p. 1846.
1869. GUNN, T. E. Capture of an Osprey [*Pandion haliaëtus*] in the North Sea. < *Zoologist*, 2d ser., iv, 1869, p. 1512.
1869. GUNN, T. E. Roughlegged Buzzard [*Archibuteo lagopus*] in Suffolk. < *Zoologist*, 2d ser., iv, 1869, p. 1513.
1869. GUNN, T. E. Peregrine Falcon [*Falco peregrinus*] and Merlin [*F. æsalon*] in Norfolk. < *Zoologist*, 2d ser., iv, 1869, p. 1513.
1869. GUNN, T. E. Roughlegged Buzzard [*Archibuteo lagopus*] in Norfolk. < *Zoologist*, 2d ser., iv, 1869, pp. 1598, 1599.
1869. GUNN, T. E. Osprey [*Pandion haliaëtus*] in Norfolk. < *Zoologist*, 2d ser., iv, 1869, p. 1721.
1869. “G. W. L.” [On a hawk catching an owl.] < *Am. Nat.*, ii, 1869, p. 670.  
 Two sentences, stating the fact, and asking if it is a common thing.
1869. HOY, P. R. [On the nidification of Cooper's Hawk (*Accipiter cooperi*).] < *Proc. Boston Soc. Nat. Hist.*, xii, 1869, pp. 396, 397.
1869. [NEWTON, A.] [Extracts from a letter from T. M. Brewer, relating to his mistake of an Egg for that of *Falco columbarius*, &c. Cf. *Ibis*, 1868, p. 347.] < *Ibis*, 2d ser., v, 1869, pp. 422, 423.
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1869. SCLATER, P. L., and SALVIN, O. Notes on the Species of the Genus *Micrastur*. < *P. Z. S.*, xxxvii, 1869, pp. 364-369.  
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1869. STEVENSON, H. Golden Eagle [*Aquila chrysaëtus*] in Norfolk. < *Zoologist*, 2d ser., iv, 1869, p. 1863.
1869. WOLFORD, T. W. Whitetailed Eagle [*Haliaëtus albicilla*] in Sussex. < *Zoologist*, 2d ser., iv, 1869, p. 1512.
1869. WOLFORD, T. W. Peregrine Falcon [*Falco peregrinus*] in Sussex. < *Zoologist*, 2d ser., iv, 1869, p. 1559.

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1869. WOOD, W. [Habits of] The Red-tailed Hawk [*Buteo borealis*]. < *Am. Nat.*, iii, 1869, pp. 393-397.
1870. ABBOTT, C. C. The Marsh Harrier [*Circus hudsonius*]. < *Am. Nat.*, iv, 1870, 377.
1870. ABBOTT, C. C. Curious Conduct of a Sharp-shinned Hawk [*Accipiter fuscus*]. < *Am. Nat.*, iv, 1870, pp. 439, 440.  
Gathering and preparing grass for its nest.
1870. ALLEN, J. A. What is the "Washington Eagle"? < *Am. Nat.*, iv, 1870, pp. 524-527.  
It is stated to be *Haliaëtus leucorephalus*.
1870. ALLISON, T. Anecdote of the Sparrow-hawk [*Falco sparverius*]. < *Am. Nat.*, iv, 1870, p. 53.
1870. BLAKE-KNOX, H. Osprey [*Pandion haliaëtus*] in County Kerry. < *Zoologist*, 2d ser., v, 1870, p. 2406.
1870. BROOKE, V. [On the occurrence in Ireland of *Astur atricapillus*.] < *Ibis*, 2d ser., vi, 1870, pp. 538, 539.
1870. COLLETE, J. R. The Osprey (*Pandion haliaëtus* [*carolinensis*]). < *Am. Nat.*, iv, 1870, p. 57.  
A biographical note.
1870. GUNN, T. E. Hen Harrier [*Circus cyaneus*] in Suffolk. < *Zoologist*, 2d ser., v, 1870, p. 1980.
1870. GUNN, T. E. Harriers [*Circus cyaneus*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2352.
1870. GURNEY, J. H. [*Circus* "hudsonius" of Ibis, 1868, p. 356 = *C. melanoleucus*.] < *Ibis*, 2d ser., vi, 1870, pp. 444, 445.
1870. HART, W., and SON. Osprey [*Pandion haliaëtus*] at Poole. < *Zoologist*, 2d ser., v, 1870, p. 2382.
1870. HARVIE-BROWN, J. A. [On sites of the nests of *Falco peregrinus* in Scotland.] < *Ibis*, 2d ser., vi, 1870, p. 297.
1870. NEWTON, A. [Exhibition of Skins of Falcons from Alaska, referred to *F. islandicus*.] < *P. Z. S.*, xxxviii, 1870, p. 384.
1870. RUDGWAY, R. A New Classification of the North American Falconidæ, with Descriptions of Three New Species. < *Proc. Acad. Nat. Sci. Phila.*, xxii, 1870, pp. 138-150.  
6 subfamilies. *Pandion* referred to *Milvina*.—Analytical tables of chars. of the groups, genera, and most of the species. *Onychotes*, pp. 142, 149, g. n.; *O. gruberi*, pp. 142, 149; *Falco richardsonii*, pp. 145, 147; *F. leucophrys*, pp. 140, 147, spp. nn. Cf. *Ibis*, 1871, pp. 460, 461.  
The classification is based chiefly on the characters afforded by the structure of the "superciliary process of the lachrymal bone," whether rudimentary and not visible from the outside, or whether developing a superciliary shield. The author later very materially modified his views, upon further consideration of the general osteological structure of the family (cf. *Bull. U. S. Geol. and Geogr. Surv.*, 2d ser., No. 4, June 10, 1875, pp. 225-231, pl. xi-xviii).
1870. RODD, E. H. Iceland Falcon [*Falco islandicus*] in Cornwall. < *Zoologist*, 2d ser., v, 1870, pp. 2017, 2018.
1870. RODD, E. H. The Iceland Jer Falcon [*Falco islandicus*] in Cornwall. < *Zoologist*, 2d ser., v, 1870, p. 2060.
1870. ROWLEY, G. D. [Anecdote of a] Hen Harrier [*Circus cyaneus*]. < *Zoologist*, 2d ser., v, 1870, p. 2343.
1870. STEARNS, W. A. The Pigeon Hawk [i. e., *Falco sparverius*, not *Falco columbarius* as supposed.] < *Am. Nat.*, iv, 1870, p. 439.  
Note of breeding at Amherst, Mass., U. S. A. (cf. *op. cit.*, v, p. 56.)

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A short popular sketch of the subject, chiefly historical.
1870. WOODMAN, W. The Nesting of the Fish Hawk [*Pandion carolinensis*.] < *Am. Nat.*, iv, 1870, pp. 559, 560.  
Criticism of E. A. Samuels's statement.
1871. ABBOTT, C. C. The Nest of the Pigeon Hawk [*Falco columbarius*.] < *Am. Nat.*, v, 1871, pp. 248-250.  
Ref. to T. M. Brewer, *tom. cit.*, p. 56, and W. A. Stearns, *op. cit.*, iv, p. 439.
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Confirms W. Wood's observations (*op. cit.*, iv, pp. 759, 760).
1871. BOYES, F. Marsh Harrier [*Circus æruginosus*] in East Yorkshire. < *Zoologist*, 2d ser., vi, 1871, p. 2547.
1871. BOYES, F. Ospreys [*Pandion haliaëtus*] in East Yorkshire. < *Zoologist*, 2d ser., vi, 1871, p. 2547.
1871. BREWER, T. M. The ["Pigeon Hawk"]. < *Am. Nat.*, v, 1871, pp. 56, 57.  
Corrects misstatement of W. Stearns, *op. cit.*, iv, p. 439.
1871. BROOKE, A. B. Graylag Goose and American Goshawk [*Astur atricapillus*, in Ireland]. < *Zoologist*, 2d ser., vi, 1871, pp. 2524, 2525.
1871. CAREY, C. B. Whitetailed Eagle [*Haliaëtus albicilla*] in Alderney. < *Zoologist*, 2d ser., vi, 1871, p. 2566.
1871. GUNN, T. E. Roughlegged Buzzard [*Archibuteo lagopus*] near Yarmouth. < *Zoologist*, 2d ser., vi, 1871, p. 2547.
1871. HADFIELD, H. [On the characters of the European and American] Roughlegged Buzzard. < *Zoologist*, 2d ser., vi, 1871, pp. 2764, 2765.
1871. HOMEYER, E. F. VON. Monographische Beiträge. I. Gennaja und Falco Kaup. < *J. f. O.*, xix, 1871, pp. 39-56.  
Commentary on what the writer considers the established species: *FF. tanypterus, cervicalis, jugger; peregrinus, minor, calidus, peregrinator, melanogenus, peregrinoides*.
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1871. NEWTON, A. On certain species of Falconidæ, Tetraonidæ, and Anatidæ. < *Proc. Acad. Nat. Sci. Phila.*, 1871, pp. 94-100.  
Discussing the Great Northern Falcon question, and recognizing three species—*Falco canadensis, islandicus, gyrfalco*, the comparative diagnoses of which are given.
1871. REEKS, H. [Distinction of American and European] Roughlegged Buzzard. < *Zoologist*, 2d ser., vi, 1871, p. 2726.
1871. RODD, E. H. Marsh Harrier [*Circus æruginosus*] at St. Mary's, Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2847.
1871. SAUNDERS, H. [Exhibition of, and Remarks upon, a series of Birds of the genus Aquila.] < *P. Z. S.*, xxxvix, 1871, pp. 37-39.
1871. SMITH, C. Marsh Harrier [*Circus æruginosus*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, pp. 2566, 2567.
1871. STEARNS, W. A. The Pigeon Hawk. Correction [of misstatement made by writer, *op. cit.*, iv, p. 439, the species being *F. sparverius*, not *F. columbarius*]. < *Am. Nat.*, v, 1871, p. 253.
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Relates chiefly to *Falco communis*—biographical, descriptive, etc.
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Note on the large flights occasionally observed.
1872. BUCKLEY, H. On some new or rare Birds' Eggs. < *P. Z. S.*, May 7, 1872, pp. 625, 626.  
*Falco polyagrus, Elanoides furcatus, Ictinia mississippiensis*.
1872. CABANIS, J. [Gruppe der Würgfalken. *Phoghierax* (n. g.) *lanarius, jugger, und mexicanus*.] < *J. f. O.*, xx, 1872, pp. 156, 157.

1872. CAREY, C. B. Another Whitetailed Eagle [*Haliaëtus albicilla*] in Guernsey. < *Zoologist*, 2d ser., vii, 1872, p. 2911.
1872. COUCH, J. Foot of the Whitetailed Eagle [*Haliaëtus albicilla*]. < *Zoologist*, 2d ser., vii, 1872, p. 2911.
1872. DRESSER, H. E. [Remarks on exhibition of Skins of various Eagles (*Aquila*).] < *P. Z. S.*, 1872, pp. 863-865.
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1872. SALVIN, O. A further Revision of the Genus *Leucopternis*, with a Description of a new Species. < *Ibis*, 1872, pp. 239-243, pl. viii.  
10 spp. *Leucopternis plumbea*, p. 240, pl. viii, sp. n.
1873. ANON. A battle in the air [between "large brown eagles"]. < *Forest and Stream*, i, Sept. 11, 1873, p. 71.
1873. ANON. Whitetailed Eagle [*Haliaëtus albicilla*] near Rye. < *Zoologist*, 2d ser., viii, 1873, p. 3411.  
From "Field," Nov. 30.
1873. BECK, T. Peregrine [*Falcon*, *Falco peregrinus*] near Scarborough. < *Zoologist*, 2d ser., viii, 1873, p. 3802.
1873. BOLLE, C. [*Haliaëtus albicilla* in der Mark.] < *J. f. O.*, 1873, p. 74.
1873. "FRED BEVERLY" [FRED. A. OBER]. The Peregrine Falcon (*Falco anatum*). < *Forest and Stream*, i, Oct. 30, 1873, p. 181.
1873. GILPIN, J. B. On the Eagles of Nova Scotia. < *Trans. Nova Scotia Inst. Nat. Sci.*, iii, pt. iii, 1872 (pub. 1873), pp. 202-208.  
2 spp.—*Aquila chrysaetos* [sic], *Haliaëtus* [sic] *leucocephalus*.
1873. GILPIN, [J.] B. Variation in the Tarsal Envelope of the Bald Eagle [*Haliaëtus leucocephalus*]. < *Ann. Nat.*, vii, 1873, pp. 429, 430.  
With editorial note by E. Coues.
1873. GREEN, C. A. Sea Eagle [*Haliaëtus albicilla*] in Jersey. < *Zoologist*, 2d ser., viii, 1873, p. 3411.
1873. GURNEY, J. H., JR. Osprey [*Pandion haliaëtus*] at Hempstead. < *Zoologist*, 2d ser., viii, 1873, pp. 3367, 3368.
1873. HERSHEY, J. The Flight of the Eagle. < *Forest and Stream*, i, Sept. 18, 1873, p. 85.
1873. HOOPES, B. A. Description of a new variety of *Buteo* [*borealis* var. *kriderii*]. < *Proc. Acad. Nat. Sci. Phila.*, xxv, 1873, pp. 238, 239, pl. 5.
1873. HOOPES, B. A. [Description of a new species of hawk, *Buteo borealis* var. *kriderii*.] < *Forest and Stream*, i, Oct. 16, 1873, p. 150.
1873. MAYNARD, C. J. Blue Kite—Everglade Kite. So-for-fun-i-kar [*Rostrhamus sociabilis*]. < *Am. Sportsm.*, iii, 1873, p. 181.  
Biography, from his "Birds of Florida", 4to, Salem.
1873. NEWTON, A. On the Great Northern Falcons. < *Ann. Mag. Nat. Hist.*, 4th ser., xii, 1873, pp. 485-487.  
Protests against the "retrograde" opinion of R. B. Sharpe, *P. Z. S.*, 1873, pp. 414-419; confirming that of J. Hancock, *Ann. Mag.*, 2d ser., xiii, pp. 110-112, and *Ann. N. H.*, ii, 1838, pp. 241-250.
1873. RIDGWAY, R. Catalogue of the Ornithological Collection of the Boston Society of Natural History. Part II. Falconidæ. < *Proc. Bost. Soc. Nat. Hist.*, xvi, 1873, pp. 43-72.  
Bull. v, 4—17

## 1873. RIDGWAY, R.—Continued.

Part I was A. Hyatt on *Spheniscidae*, *op. cit.*, xiv, p. 237.—A simple catalogue, with reference to the locality, when known, of each specimen, which is mentioned by the Society's number, the original number of the Lafresnaye Collection, when any, being also given; numbers of species according to Gray's *Hand List* also attached. *Rhychofalcon*, p. 46; *Ateneor*, p. 63, m. 18022. Cf. *Cones, Am. Nat.*, 1874, pp. 541-546.

1873. RIDGWAY, R. Revision of the Falconine Genera, *Microstar*, *Geranoospiza* and *Rupornis*, and the Strigine Genus, *Glaucidium*. < *Proc. Bosl. Soc. Nat. Hist.*, xvi, 1873, pp. 73-106.

Published as an "Appendix" to the author's catalogue of the *Falconidae* of the Boston Society, *tom. cit.*, pp. 43-72. An elaborate article, with characters and synonymy of the genera and species, analytical tables, etc., based upon examination of an unusually large series of specimens: *Microstar*, 5 spp.; *Geranoospiza*, 2 spp.; *Rupornis*, 2 spp.; *Glaucidium*, 8 spp.; besides several "varieties" of each of these genera excepting the first. There is much rectification of synonymy according to the views of the writer, which are not in entire accord with those of other authors. Cf. *Cones, Am. Nat.*, 1874.

*Glaucidium* is treated on pp. 91-106. This is the first elaborate monograph of the genus, and led to the subsequent revisions of the group by Mr. Sharpe (1875) and Mr. Ridgway (1876). (See *antea* under *Strigidae*.) The species allowed in this monograph are *G. passerinum* var. *californicum* (= *G. gnoma*), *G. pusillum*, *G. lansbergii* (= rufous phase of *G. jardiinii*), *G. jardiinii*, *G. ferrugineum*, *G. infuscatum* (= *G. ferrugineum*), *G. infuscatum* var. *gnoma* (= *G. ferrugineum*), *G. nannum*, and *G. sija*. *G. lansbergii* is described as new, (but has been determined to be the rufous phase of *G. jardiinii*).—The rectifications here given in parenthesis are derived from the author's later study.

1873. SCHLEGEL, H. Revue de la Collection des Oiseaux de Proie faisant partie du Musée des Pays-Bas. < *Mus. Nat. Hist. Pays-Bas*, 10<sup>e</sup> livr., Juillet 1873, pp. 1-156.

The author here reviews the whole subject, which he had previously gone over in 1862-3, but has not apparently much to add to science, though noting the increase of the Museum.

*Otus capensis major*, p. 3; *Noctua hirsuta minor*, p. 24; *Falco neglectus*, p. 43; *Astur henstii*, p. 62; *Baza celebensis*, p. 135, spp. nn.

1873. SHARPE, R. B. On the Falco arcticus of Holböll, with Remarks on the changes of Plumage in some other Accipitrine Birds. < *P. Z. S.*, 1873, pp. 414-419, pl. xxxix.

*F. holboellii*, p. 415, sp. n. The pl. shows changes of plumage in *Falco*, *Cymindis*, and *Accipiter*. Cf. especially Newton, *Ann. Mag. Nat. Hist.*, xii, 1873, pp. 485-487.

1873. STEENSTRUP, J. Om de Merker, som Knoklerne i Fuglenes ophulkede Foderboller bære af Opholdet i Fuglenes Mave, samt om disse Markers Betydning for Geologien og Archeologien. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn* for Aaret 1872 (1873), pp. 211-236, pl. iv.

This is the full text of the article, a résumé of which, in French, is given in the same volume, pp. 28-36, and also in *Gerv. Journ. de Zool.*, iii, 1873, pp. 488-498.

1873. STEENSTRUP, J. Sur les marques que portent les os contenus dans les pelotes rejetées par les oiseaux de proie et sur l'importance de ces marques pour la géologie et l'archéologie. < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn* for Aaret 1872 (1873), pp. 28-36, pl. iv.1873. STEENSTRUP, J. Sur les marques que portent les os contenus dans les pelotes rejetées par les oiseaux de proie et sur l'importance de ces marques pour la géologie et l'archéologie. < *Gerv. Journ. de Zool.*, ii, 1873, pp. 488-498, pl. xx.

Analyse, faite par l'auteur, de son Mémoire inséré dans le *Vidensk. Meddel. fra den Naturh. Foren. i Kjöbenh.* for Aaret 1872, 1873, p. 211-236, pl. iv.

1873. WOOD, W. The Game Falcons of New England. The Pigeon Hawk [*Falco columbarius*]. < *Am. Nat.*, vii, 1873, pp. 340-345.

A biography of this species.

1874. ANON. An Eagle's struggle with a Girl. < *Am. Sportsman*, iii, 1873-4, p. 375.

Quoted from Jacksonville, Florida, *Republican* (newspaper). An eagle attacks a child 14 years old.

1874. ANON. Singular Capture of an Eagle. < *Zoologist*, 2d ser., ix, 1874, p. 3953.

From *Inverness Advertiser*.

1874. BARRINGTON, R. M. Golden Eagle [*Aquila chrysaëtos*] at Powerscourt. < *Zoologist*, 2d ser., ix, 1874, p. 3952.
1874. CLARK-KENNEDY, A. J. An Osprey [*Pandion haliaëtus*] carrying off Young Chickens. < *Zoologist*, 2d ser., ix, 1874, pp. 3996, 3997.
1874. COUES, E. Habits and Characteristics of Swainson's Buzzard [*Buteo swainsoni*]. < *Am. Nat.*, viii, 1874, pp. 282-287.  
Extended description and biography.
1874. GUNN, T. E. Marsh Harrier [*Circus aeruginosus*] in Suffolk. < *Zoologist*, 2d ser., ix, 1874, p. 4117.
1874. HADFIELD, H. Peregrines [*Falco peregrinus*] in the Isle of Wight. < *Zoologist*, 2d ser., ix, 1874, pp. 4032, 4033.
1874. HARVEY-BROWN, J. A. Osprey [*Pandion haliaëtus*] carrying off Chickens. < *Zoologist*, 2d ser., ix, 1874, p. 4117.
1874. "NIMROD." [JARVIS, W.] The Peregrine Falcon (*Falco Peregrinus*). < *Am. Sportsman*, iii, 1874, p. 323.
1874. RUFF, M. D. Fish-Hawks [*Pandion carolinensis*] and their Nests. < *St. Nicholas Mag.*, i, 1874, pp. 79-82, one illust.
1874. SHARPE, R. B. Catalogue | of the | Accipitres, | or | Diurnal Birds of Prey, | in the | collection | of the | British Museum. | By | R. Bowdler Sharpe. | London: | printed by order of the Trustees. | 1874. 1 vol. pp. i-xiv, 1-480, pll. i-xiv, numberless cuts in text.

This is the first volume of the New British Museum Catalogue of Birds, the title of the work as one of the series being: Catalogue | of the | Birds | of the | British Museum. | Volume I. | London: | printed by order of the Trustees. | 1874. The scope of these new Catalogues is greatly enlarged over that of previous ones, and much beyond the requirements of a mere list: being, in fact, a series of monographs of the different groups treated. The present volume, like that on the Owls, is by Mr. Sharpe. It contains a very full account of all the known species of Diurnal Birds of Prey, 377 in number, of which only about 25 are wanting in the collection. These are elaborately described, with extensive synonymy, analytical keys to the species and genera, &c. Many details of structure are illustrated by the woodcuts, and a number of species are figured in colors. The total number of specimens handled is 2,466.

The author's classification has been much criticised. He divides the *Raptores* into three suborders, *Falcones*, *Pandiones*, and *Striges*. The *Pandiones* include only the two genera *Pandion* and *Polioidæus*. The *Falcones* are made to consist of two families, *Falconidæ* and *Vulturidæ*. The latter include the *Cathartidæ*, certainly more different from *Vulturidæ* than these are from *Falconidæ*. The *Falconidæ* are divided into *Polyborinæ*, *Accipitrinæ*, *Buteoninæ*, *Aquilinæ*, *Falconinæ*. Under the first of these subfamilies are ranged *Cariama!* and *Serpentarius*. These birds are treated under 80 genera, of which the following 9 are new: *Lophogyps*, p. 13; *Ænops*, p. 25; *Urotriorchis*, p. 83; *Erythrocnema*, p. 84; *Heterospizias*, p. 160; *Buteola*, p. 201; *Lophotriorchis*, p. 255; *Ilenicopernis*, p. 241; *Microhierax*, p. 366. The following species are figured:

PL. I. *Gyps kolbi*. II. f. 1, *Ænops falklandica*; f. 2, *Æ. urubitinga*. III. *Astur macroseelides*. IV. f. 1, *A. soloensis*; f. 2, *A. cuculoides*. V. *A. vallaicii*. VI. f. 1, *A. toussenelii*; f. 2, *Accipiter hartlaubii*. VII. f. 1, *Buteo plumipes*; f. 2, *Archibuteo strophiatas*. VIII. *Buteo ferox*. IX. *Spilornis pallidus*. X. f. 1, *Baza magnirostris*; f. 2, *B. erythrothorax*. XI. f. 1, *B. sumatrensis*; f. 2, *B. cuculoides*. XII. *Falco minor*. XIII. *Hierofalco holbaelli*. XIV. f. 1, *Cerchæus alopec;* f. 2, *C. zoniiventris*.

1874. SUNDEVALL, C. J. Förflyktad Anordning av Dagroöfoglarna (Dispositio nova Accipitrum Hemeroharpagorum). < *Öfvers. af Kongl. Vetensk.-Akad. Förh.*, 1874, pp. 21-29.

Not seen:—*Plangus neogæus*, p. 28.

1874. UNWIN, W. H. On the Breeding of the Golden Eagle (*Aquila chrysaëtos*) in North-western India. < *P. Z. S.*, xlii, 1874, pp. 208-212.
1874. WOOD, W. The Game Falcons of New England. The Sparrow Hawk [*Falco sparverius*]. < *Am. Nat.*, viii, 1874, pp. 266-270.  
Biographical notice.

1875. ANON. Hawking. < *Rod and Gun*, vi, Aug. 14, 1875, p. 294.  
Reprint from the *London Quarterly*.

1875. ANON. [Eagles in Pennsylvania.] < *Rod and Gun*, vi, Nov. 20, 1875, p. 124.
1875. ANON. Whitetailed Eagle [*Haliaëtus albicilla*] in Northamptonshire. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4337.  
From *The Field*, Jan. 16, 1875.
1875. "AUDUBON" [*pseudon.*]. Eagles [*Haliaëtus leucocephalus*] on the Susquehanna. < *Forest and Stream*, v, Nov. 25, 1875, p. 243.
1875. AUDUBON, J. J. The Golden Eagle, *Aquila chrysaetus*, Linn. < *The Oölogist*, i, 1875, pp. 68, 69.  
Quoted from his work.
1875. BLASIUS, W. [Ueber die nördischen Jagdfalken.] < *Ber. über d. xxi. Vers. d. deut. Orn.-Ges.*, 1875, pp. 17, 18.
1875. BOARDMAN, G. A. [*Haliaëtus leucocephalus* catching its own fish.] < *Forest and Stream*, iv, Feb. 18, 1875, p. 22.
1875. "BOB." Great Flight of Hawks. < *Rod and Gun*, vii, Oct. 2, 1875, p. 3.
1875. CLARK-KENNEDY, A. J. Whitetailed Eagle [*Haliaëtus albicilla*] in Norfolk. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. CLARK-KENNEDY, A. J. Osprey [*Pandion haliaëtus*] in Suffolk. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. CORBIN, G. E. Osprey [*Pandion haliaëtus*] in Hampshire. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4690.
1875. D[AVIS], F. J. Nest and Eggs of the Broad-winged Hawk. (*Buteo pennsylvanicus*.) < *The Oölogist*, i, 1875, p. 2.
1875. DRESSER, H. E. Notes on *Falco labradorus*, Aud., *Falco sacer*, Forster, and *Falco spadiceus*, Forster. < *P. Z. S.*, Mar. 2, 1875, pp. 114-117.  
1. *F. labradorus* is distinguished as a good species. *F. sacer* is queried as a synonym of *F. gyrfalco*. *F. spadiceus*, which Sharpe and Ridgway had each referred to *Archibuteo sanctijohannis*, and of which Vieillot had made a *Buteo spadiceus*, is identified with *Circus hudsonius*.
1875. [FITCH, E. H.] The Swallow-tailed Kite. (*Nauclerus forficatus*.) < *The Scientific Monthly* (Toledo, Ohio), i, No. ii, 1875, pp. 41-44, fig.  
Popular account.
1875. G[RAY], A. F. [*Haliaëtus leucocephalus* in Massachusetts.] < *Forest and Stream*, iv, Feb. 18, 1875, p. 22.
- 1875-79. GURNEY, J. H. Notes on a 'Catalogue of the Accipitres in the British Museum,' by R. Bowdler Sharpe (1874). < *Ibis*, 3d ser., v, Jan., 1875, pp. 87-96; Apr., 1875, pp. 221-236; July, 1875, pp. 353-370, pl. vi; Oct., 1875, pp. 468-484.—vi, Jan., 1876, pp. 65-77, pl. iii; Apr., 1876, pp. 230-243; July, 1876, pp. 364-376; Oct., 1876, pp. 467-493.—4th ser., i, Apr., 1877, pp. 209-236; July, 1877, pp. 325-333; Oct., 1877, pp. 418-437.—ii, Jan., 1878, pp. 84-102, pl. ii; Apr., 1878, pp. 145-164; July, 1878, pp. 352-356; Oct., 1878, pp. 451-466.—iii, Apr., 1879, pp. 71-84; July, 1879, pp. 330-341; Oct., 1879, pp. 464-470. (Continued in 1880.)  
*Accipiter orampensis*, 1875, pl. vi. *Buteo hypospodius*, 1876, pl. iii. *Dryotriorechis spectabilis*, 1878, pl. ii.  
This is a very notable series of papers, forming a critical review of Mr. Sharpe's work, from a hand long specially practised in this department of ornithology. Containing as it does many elaborate discussions of doubtful points and extended descriptions of specimens, as well as other additions to and corrections of Mr. Sharpe's Catalogue, it is almost necessarily to be consulted by any one using the work of the last-named author.
1875. HENSHAW, H. W. Avi-Fauna—A Correction. < *Rod and Gun*, vi, Apr. 24, 1875, p. 57.  
Capt. Bendire's discovery of *Urubitinga anthracina* in Arizona.
1875. INGERSOLL, E. Eagles. < *Forest and Stream*, v, Nov. 4, 1875, p. 195.  
Bald eagle reported as carrying away children and lambs in Pennsylvania.
1875. "J. H. D." "Cave Aquilam." < *Rod and Gun*, vi, May 8, 1875, p. 91.  
"Large brown eagle" seizing ducks shot by gunners.



1875. MATHEW, M. A. Flight of a Male Peregrine at an old Male Hen Harrier. < *Zoologist*, 2d ser., x, Jan., 1875, pp. 4296, 4297.
1875. "NIMROD." [JARVIS, W.] The Swallow-tailed hawk [*Elanoides forficatus*]. < *Forest and Stream*, v, Oct. 21, 1875, p. 163.  
Merely descriptive of plumage and habit.
1875. "NIMROD." [JARVIS, W.] [*Haliaëtus leucocephalus* capturing its own fish.] < *Forest and Stream*, iii, Jan. 28, 1875, p. 389.
1875. RIDGWAY, R. The Sparrow hawk or American Kestrel [*Tinnunculus sparverius*]. < *Rod and Gun*, vi, July 3, 1875, pp. 209 and 220.
1875. RIDGWAY, R. Notice of a very rare Hawk [*Onychotes gruberi*]. < *Rod and Gun*, vi, May 1, 1875, p. 65.
1875. RIDGWAY, R. On *Nisus cooperi* (Bonaparte), and *N. gundlachi* (Lawrence). < *Proc. Acad. Nat. Sci. Phila.*, 1875, pp. 78-88.  
A very elaborate article, descriptive, synonymic and critical, in which the distinction of these two species is maintained. The synonymy is very copious.
1875. RIDGWAY, R. On the Buteonine Subgenus *Craxirex*, Gould. < *Proc. Acad. Nat. Sci. Phila.*, 1875, pp. 89-119.  
Very complete treatment, with copious synonymy, exhaustive description, and much critical comment, of 6 spp.: *Buteo* (*Craxirex*) *galapagoensis*, *poliosomus*, *erythronotus*, *albicaudatus*, *swainsoni*, and *penasylvanicus*, which are all the species the author allows to stand in this particular group, distinguished from typical *Buteo* (type *vulgaris*) by having only three instead of four outer primaries emarginate on their inner webs. *Tachytriorchis* and *Poecilopternis* of Kaup are regarded as strictly synonymous. The group is considered peculiar to America, four of the species being neotropical.
1875. RIDGWAY, R. Outlines of a Natural Arrangement of the Falconidæ. < *Bull. U. S. Geol. Surv. Terr.*, 2d ser., No. 4, June 10, 1875, pp. 225-231, pll. xi-xviii.  
Divided into *Falconinæ* and *Buteoninæ*: *Falconinæ* subdivided into *Falcones*, *Polybori*, *Micrastrures*, *Herpetotheres*. Cf. *Ibis*, 1875, pp. 498-500.  
Compare same author, *Pr. Phila. Acad.*, 1870, pp. 138-150. That former classification is here very decidedly modified, upon broader consideration of the osteology of the family, with special reference to characters afforded by the sternum and shoulder-girdle, many of the features of which are illustrated on the plates.
1875. "ROAMER." Eagles [*Haliaëtus leucocephalus*]. < *Forest and Stream*, iv, Mar. 4, 1875, p. 55.
1875. SHARPE, R. B. Contributions to a History of the Accipitres. Notes on Birds of Prey in the Museum at the Jardin des Plantes and in the Collection of Mons. A. Bonvier. < *Ibis*, 3d ser., v, Apr., 1875, pp. 253-261.  
Notes on 12 spp. *Microhierax sinensis* (David, mss.), p. 254; *Syrnium davidi*, p. 256; *Glaucidium tephronotum*, *Scotopelia bourcierii*, p. 260, spp. nn. List of 6 spp. of *Carine*, 28 spp. of *Ninox*, 24 spp. of *Glaucidium*.
1875. WHITAKER, J. Peregrine Falcon in Nottinghamshire. < *Zoologist*, 2d ser., x, July, 1875, p. 4537.
1875. WILLMOTT, C. Golden Eagle [*Aquila chrysaëtus*] near Chatteris. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4703.
1876. BARRINGTON, R. M. Golden Eagles trained to capture Wolves and Foxes. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5162.
1876. BREWSTER, W. Winter habits of buzzard hawks. < *Forest and Stream*, vi, Feb. 10, 1876, p. 3.
1876. BROWNE, MONTAGU. Osprey [*Pandion haliaëtus*] near Birmingham. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4759.
1876. CARTWRIGHT, D. W. A plucky eagle. < *Rod and Gun*, viii, Apr. 22, 1876, p. 55.  
Anecdote from "Western Wild Animals."
1876. CHARBONNIER, H. J. Greenland Falcon in Scotland. < *Zoologist*, 2d ser., xi, June, 1876, p. 4954.

1876. C[LARKE], S. C. Fish hawks and eagles [in Florida]. < *Forest and Stream*, vii, Dec. 7, 1876, p. 276. See vol. viii, p. 4.
1876. CLARK-KENNEDY, A. J. Whitetailed Eagle in Suffolk. < *Zoologist*, 2d ser., xi, Dec., 1876, p. 5178.
1876. CONCH, J. Greenland or Iceland Falcon in Guernsey. < *Zoologist*, 2d ser., xi, June, 1876, pp. 4953, 4954.
1876. COPE, W. J. Peregrine Falcons breeding on the Yorkshire Coast. < *Zoologist*, 2d ser., xi, July, 1876, p. 5000.
1876. CORDEAUX, J. Food of Peregrine, &c. < *Zoologist*, 2d ser., xi, Mar., 1876, pp. 4828, 4829.
1876. COUES, E. Letters on Ornithology. No. 9.—The Red-tailed Buzzard [*Buteo borealis*] and other Hawks. < *Chicago Field*, vi, No. 19, Dec. 23, 1879, p. 301, fig.  
 Popular notice of North American *Falconidæ*, with fig. of head of species named.
1876. DRESSER, H. E. *Falco labradorns*. (Labrador Falcon.) < *Rowl. Ornith. Misc.*, pt. iii, Jan., 1876, pp. 185–191, pl. xxiv, xv.  
 Maintaining the validity of this species in an extended article, illustrated with colored figures of adult and young.
1876. GURNEY, J. H., JR. Peregrine in the City of Norwich. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4795.
1876. GURNEY, J. H., JR. Notes on the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4829.
1876. GURNEY, J. H., JR. Plumage of the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, p. 4921.
1876. GURNEY, J. H., JR. Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, p. 4921.
1876. GURNEY, J. H., JR. Variety of the Sea Eagle. < *Zoologist*, 2d ser., xi, July, 1876, p. 5000.
1876. GURNEY, J. H., JR. *Falco peregrinus* in Egypt. < *Zoologist*, 2d ser., Aug., 1876, p. 5041.
1876. GURNEY, J. H., JR. Sternum of the Peregrine Falcon. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5079.
1876. HADFIELD, H. Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4920, 4921.
1876. "H. W." The Red-tailed Hawk. < *Forest and Stream*, v, Jan. 6, 1876, p. 340.
1876. [INGERSOLL, E.] American *Falconidæ*, etc. < *Forest and Stream*, vi, Apr. 13, 1876, p. 148.  
 Review of R. Ridgway's papers in *Bull. U. S. Geol. and Geog. Surv. Terr.*, ii, No. 2, 1876.
1876. JACOB, E. Osprey [*Pandion haliaëtus*] in County Waterford. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4759.
1876. MATHEW, M. A. *Archibuteo Sancti-Johannis*. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4870.  
 Its possible occurrence in England.
1876. MAYNARD, C. J. The Common Buzzard Hawk (*Buteo vulgaris*) of Europe in North America. < *Bull. Nutt. Ornith. Club*, i, No. 1, Apr., 1876, pp. 2–6.  
 But see *tom. cit.*, No. 2, July, 1876, p. 32.
1876. McNICHOL, N. Iceland Falcon in Caithness. < *Zoologist*, 2d ser., xi, 1876, p. 4920.
1876. NEWMAN, E. The Eagles of Poetry and Prose. < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5133, 5136.  
 This posthumous fragment appears to have been written with some idea that it should form the commencement of a popular work to be entitled 'British Bird Biography'—an idea probably abandoned, as no continuation has been found.

1876. RAMSAY, E. P. Catalogue of the Australian Accipitres or Diurnal Birds of Prey inhabiting Australia, in the Collection of the Australian Museum at Sydney, N. S. W. By E. Pierson Ramsay, F. L. S., C. M. Z. S., &c. &c. Curator of the Museum, Sydney. — Sydney: printed by order of the Minister of Justice and Public Instruction. — 1876. pp. i-viii, 1 leaf, pp. 1-64, 1-3.

There is another title of this little brochure, according to which it is Part I of a Catalogue of Australian Birds in the Museum. It is highly wrought for a catalogue—quite in the style of the *Brit. Mus. Catalogues*, treating 27 spp. with description, synonymy, &c.—these being, in fact, all the Diurnal Birds of Prey known to the author to inhabit Australia.

1876. RICHARDSON, W. Roughlegged Buzzard in Yorkshire. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4760.
1876. RIDGWAY, R. Regarding *Buteo vulgaris* in North America. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 32-33.

Critical discussion of the question, with special reference to *tom. cit.*, No. 1, p. 2.

1876. RIDGWAY, R. Studies of the American Falconidae. By Robert Ridgway. Monograph of the Polybori. < *Bull. U. S. Geol. Surv. Terr.*, 2d ser., No. 6, Feb. 8, 1876, pp. 451-473, pll. 22-26.

The genera of *Polybori* are recognized as *Polyborus*, *Phalcobæus*, *Mileago*, and *Ibyster*, monography of the species of each of which is given, illustrated with details of form on the 5 plates. *Polyborus lutosus*, p. 459, sp. n.

1876. RIDGWAY, R. Studies of the American Falconidae. < *Bull. U. S. Geol. and Geogr. Surv. Terr.*, ii, No. 2, Apr. 1, 1876, pp. 91-182, pll. 30, 31.

In this, the third paper of the series (all published in this *Bull.*), numerous genera are studied with care, the results of investigation constituting a monography of each one of them. *Nisus*, pp. 91-131; *Geranoastur*, pp. 131-133; *Oxyeches*, pp. 134, 135; *Heterothereus*, pp. 136-138, pll. 30-31, giving details of *H. cachiquans*; *Heterospizias*, pp. 139, 140; *Buteogallus*, p. 141; *Buscirellus*, pp. 142-144; *Thrasaustus*, pp. 145, 146; *Morphnus*, pp. 147-149; *Gampsonyx*, pp. 150, 151; *Leptodon*, pp. 152-155; *Rogerhinus*, pp. 156-160; *Antenor*, pp. 161-165; *Spiziasur*, p. 166; *Urubitinga*, p. 167-173; *Leucopternis*, pp. 174-179; *Elanoides*, pp. 180-182. The descriptions are elaborate, in most cases, and the synonymy is very copious.

1876. RIDGWAY, R. Studies of the American Falconidae.—Monograph of the Genus *Micrastur*. < *Proc. Acad. Nat. Sci. Phila.*, Dec. 28, 1875, pp. 470-502, figg. 1-9. (Pub. 1876.)

Elaborate treatment of 6 spp. of the genus, with copious synonymy, extended descriptions, and critical comment; much also on the literature of the subject. The species recognized as valid are 7 in number, viz: *M. melanoleucus*, *mirandollii*, *guerrilla*, *zonothorax*, *ruficollis*, *pelzelni*, sp. n., p. 494, *concentricus*. Details of heads, feet, and wings are figured. The appendix, pp. 500-502, gives bibliographical notes on *M. melanoleucus*, by A. J. Grayson.—The author afterward reviewed his work in *Ibis*, 1876, pp. 1-5, *q. v.* See also his original paper on the genus, *Proc. Bost. Soc.*, xvi, 1873, pp. 73-106.

1876. RIDGWAY, R. Second Thoughts on the Genus *Micrastur*. < *Ibis*, 3d ser., Jan., 1876, pp. 1-5.

Results of examination of the entire series of the smaller members of this genus in the Mus. Salvin-Godman, modifying views before given in *Proc. Bost. Soc.*, xvi, 1873, pp. 73-106, and *Proc. Phila. Acad.*, 1875 (pub. 1876), pp. 470-502, *qq. vv.* The spp. now admitted are *MM. melanoleucus*, *mirandollii*, *guerrilla*, *zonothorax*, *ruficollis*, *pelzelni*, and *concentricus*, all of which are analyzed, with critical determinations of the names of old authors, and a special description of *M. pelzelni* Ridgw.

1876. ROCKE, J. Greenland Falcon in North Wales. < *Zoologist*, 2d ser., xi, May, 1876, pp. 4919, 4920.

1876. ROWLEY, G. D. Falconry. < *Rowl. Orn. Misc.*, pt. iv, May, 1876, pp. 213-222, pll. xxvii-xxix.

1876. [SCLATER, P. L.] [On Young Caracaras (*Polyborus* sp.) in remarkable plumage.] < *P. Z. S.*, Apr. 4, 1876, p. 333, pl. xxv.

The species here left in doubt was afterward determined to be *P. tharus*, juv., in an abnormal phase of coloring. Cf. *P. Z. S.*, 1878, pp. 230-232.

1876. SCLATER, J. Plumage of the Roughlegged Buzzard. < *Zoologist*, 2d ser., xi, June, 1876, p. 4955.

1876. VENNOR, H. G. Our Birds of Prey, | or the | Eagles, Hawks, and Owls | of | Canada. | By | Henry G. Vennor, F. G. S. | Of the Geological Survey of Canada. | With 30 Photographic Illustrations by Wm. Notman. | — | R. Worthington, 750 Broadway, New York. | Montreal: | published by Dawson Brothers. | — | 1876. 1 vol. sm. 4to. pp. i-viii, 1-154, with 30 photog. pll.
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1847. TSCHUDI, J. J. v. The Condor [*Sarcorhamphus gryphus*]. < *Zoologist*, v, 1847, pp. 1772, 1773.  
 Extract from "Travels in Peru."
1847. TSCHUDI, J. J. [v.] Sur le condor [*Sarcorhamphus gryphus*] des cordillères. < *Arch. des Sc. Phys. et Nat.*, vi, 1847, pp. 177, 178.  
*Voyages au Pérou*, p. 360; *Edinb. New Phil. Journ.*, avril 1847, pp. 387-389.
1848. TOWNSEND, J. K. Popular Monograph of the Accipitrine Birds of N[orth]. A[merica].—No. 1 [II]. < *Lit. Rev. and Journ. Linn. Assoc. of Penna. College*, iv, 1848, pp. 249-255, 265-272.  
 Only these two Numbers of the "Monograph" appeared, consisting of extended general accounts of *Cathartes* [*Sarcorhamphus*] *gryphus*, *C. californianus*, *C. aura*, and certain *Falconidae*.

1850. WYMAN, J. [Note on substances probably dropped by *Cathartes aura* during flight.] < *Proc. Boston Soc. Nat. Hist.*, iii, 1850, p. 289.
1851. CABOT, S., JR. [On the sense of smell in Vultures [Cathartidæ].] < *Proc. Boston Soc. Nat. Hist.*, iv, 1851, p. 118.
1853. DES MURS, O. Observations sur un nom spécifique: Catharte citadin, Lesson, Vultur urbis incola, Riccord, Cathartes urbis incola, Lesson, omis jusqu'à ce jour dans toutes les synonymies des espèces du genre Catharte. < *Rev. et Mag. de Zool.*, v, 1853, pp. 146-151.
1855. TAYLOR, A. S. Note on the Great Vulture of California (*Cathartes vel Sarcophagus Californianus*). Communicated by J. H. Gurney, Esq. < *Zoologist*, ciii, 1855, pp. 4632-4635.
1856. MAXIMILIAN, PRINZ VON WIED. Ueber den nordamerikanischen rothköpfigen Urubü, (*Cathartes aura* Audub. Bonap.) < *J. f. O.*, iv, 1856, pp. 119-124. Elaborate description, etc.
1857. BOLLE, C. Der californische Condor, *Sarcophagus californianus*. < *J. f. O.*, v, 1857, pp. 50-54.  
Nach A. S. Taylor, aus dem *Zoologist*, 1855, pp. 4632-4635.
1859. EDITORIAL. [Extract from an article in the San Francisco Herald, by A. S. Taylor, on *Cathartes californianus*.] < *Ibis*, i, 1859, pp. 469, 470.
1859. TAYLOR, A. S. The egg and young of the California Condor [*Cathartes californianus*]. < *Hutchings's Cal. Mag.*, iii, 1859, pp. 537—, fig.  
Not seen.—Woodcut of young and egg. Also, the "Great Condor of California," p. 540.
- 1859-61. TAYLOR, A. S. The Great Condor of California (*Cathartes californianus*). < *Hutchings's Cal. Mag.*, iv, July, 1859, pp. 17—; Aug., 1861, pp. ——, with cut of the bird.  
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1860. ABBOTT, C. C. [The egg figured in *Ibis*, ii, 1860, pl. 1, f. 2, as that of *Milvago australis* is "undoubtedly that of *Cathartes aura*."] < *Ibis*, ii, 1860, p. 432.
1860. SCLATER, P. L. [Exhibition of the egg of the King Vulture (*Gyparchus papa*).] < *P. Z. S.*, xxviii, 1860, pp. 193, 194.
1860. SCLATER, P. L. Note on the Egg and Nestling of the Californian Vulture [*Cathartes californianus*]. < *Ibis*, ii, 1860, p. 278, pl. viii (egg), ix (nestling).  
Cf. *op. cit.*, 1859, p. 469.
1860. TAYLOR, A. S. Notes on the Queleli, a rare Bird of Sonora; the King of the Zopolites; and Barram's Vulture. < *Zoologist*, xviii, 1860, pp. 6798-6805.  
Curious and in part mythical account of some Mexican species of *Cathartidæ*.
1866. SCLATER, P. L. [Notice of a specimen of the Californian Vulture (*Cathartes californianus*) recently added to the Society's Menagerie.] < *P. Z. S.*, xxxiv, 1866, p. 366.
1867. GURNEY, J. H. [On the colored sclerotic ring of *Cathartes californianus*.] < *Ibis*, 2d ser., iii, 1867, p. 254.
1868. BAIRD, S. F. [Letter relating to a drawing of a young *Cathartes californianus*.] < *P. Z. S.*, xxxvi, 1868, pp. 183, 184, woode.
1869. SAUSSURE, H. DE. El Zopilote [*Cathartes*]. < *La Naturaleza*, i, 1869, pp. 17-26.  
"Observaciones sobre las costumbres de las aves de México"; artículo traducido del francés por Don J. M. A., y anotado por D. Alfonso Herrera.
1869. HERRERA, A. Adiciones al artículo el Zopilote [*Cathartes*]. < *La Naturaleza*, i, 1869, pp. 51, 52.  
Sobre las costumbres.
1870. "J. L. B." Turkey Buzzard. < *Am. Nat.*, iv, 1870, p. 375.  
Note on *Cathartes aura* feeding upon *Mephitis mephitis*.
1870. NAUMAN, C. H. An Albino Turkey Buzzard (*Cathartes aura* Illig.) . . . < *Am. Nat.*, iv, 1870, p. 376.  
Also, an albino *Anas obscura*.

1871. CATON, J. D. Turkey Buzzard [*Cathartes aura*]. < *Am. Nat.*, iv, 1871, p. 762.  
Note on sense of smell in *Cathartes aura*.
1871. ORTON, J. On the Condors [*Cathartidæ*] and Humming-birds of the Equatorial Andes. < *Ann. Mag. Nat. Hist.*, 4th ser., viii, 1871, pp. 185-192.
1871. ORTON, J. The Vultures [*Cathartidæ*] and Humming Birds of Tropical America. < *Canad. Nat. & Quart. Journ.*, n. s., v, 1871, pp. 357-360.  
See *Amer. Nat.*, v, Oct., 1871, pp. 619-626.
1873. CATON, J. D. Sense of Smell in the Turkey Buzzard [*Cathartes aura*]. < *Am. Sportsman*, iii, 1873, p. 87.
1873. LYNCH, W. F. A Condor Hunt. < *Am. Sportsman*, ii, 1873, p. 58.
1873. SHARPE, R. B. On a New Species of Turkey Vulture from the Falkland Islands, and a New Genus of Old World Vultures. < *Ann. Mag. Nat. Hist.*, 4th ser., xi, Feb., 1873, pp. — — —.  
Not seen.  
*Catharista falklandicas*, p. 133; *Pseudogyps*, g. n., p. 133.
1874. COPE, E. D. Annual Report | upon the | Geographical Explorations and Surveys West of the | one hundredth meridian, | in California, Nevada, | Utah, Arizona, Colorado, New Mexico, | Wyoming, and Montana, | by George M. Wheeler, | first lieutenant of Engineers, U. S. A.; | being | Appendix FF | of the Annual Report of the Chief of Engineers for 1874. | — | Washington: | Government Printing Office. | 1874. 8vo. pp. 130, map.  
Report of E. D. Cope, pp. 115-130.—Only ornithological in describing *Cathartes umbrosus*, n. sp. foss., p. 130. (The species may prove to belong to some other group of *Raptores*.)
1874. COUES, E. The Californian Vulture [*Cathartes californianus*]. < *Am. Sportsman*, iv, 1874, p. 160.  
Mainly quoted from account of Alex. S. Taylor, *San Francisco Herald*, May 5, 1859.
1875. ANON. Several mooted questions. < *Forest and Stream*, iv, Feb. 11, 1875, p. 5.  
*Cathartes aura* in Vermont.
1875. ANON. Eggs and Nest of the Condor [*Sarcorhamphus gryphus*]. < *Oölogist*, i, 1875, p. 66.
1875. EAGLE, C. H. Buzzards [*Cathartidæ*] in Maine. < *Forest and Stream*, iii, Jan. 14, 1875, p. 357.
1875. GURNEY, J. H. [With reference to remarks on the races of the Condor, Ibis, 1875, p. 91.] < *Ibis*, 3d ser., v, 1875, pp. 269, 270.
1875. HADFIELD, H. Instinct of Birds: Olfactory Power of the Vultures. < *Zoologist*, 2d ser., x, Mar., 1875, pp. 4373-4376.  
On the question of the comparative power of the senses of sight and smell, the former being considered the one most employed in the search for food.
1875. MOSES, J. T. C. Turkey Buzzards [*Cathartes aura* at Grand Menan Isl., Maine]. < *Forest and Stream*, v, Aug. 26, 1875, p. 36.
1876. SLERLING, E. Queer fish, skunk and buzzards. < *Rod and Gun*, vii, Mar. 4, 1876, p. 359.  
Account of tame *Cathartes aura*.
1877. [COUES, E.] Birds. < *The Mirror* (Baltimore, Md.), June 1, 1877.  
Editorial extracts from the "Birds of the Northwest", relating to certain North American *Falconidæ* and *Cathartidæ*.
1877. [COUES, E.] Birds. < *The Mirror* (Baltimore, Md.), July 1, 1877, p. 4.  
Editorial extracts from the "Birds of the Northwest", relating to certain *Cathartidæ*.
1877. [COUES, E.] Birds. < *The Mirror* (Baltimore, Md.), Aug. 1, 1877, pp. 4, 5.  
Biography of *Cathartes aura*, from "Birds of the Northwest".
1877. LANGDON, F. W. Occurrence of the Black Vulture or Carrion Crow [*Cathartes atratus*] in Ohio. < *Bull. Nutt. Ornith. Club*, ii, No. 4, Oct., 1877, p. 109.  
Only record of such occurrence since Audubon's.

1878. ANON. Vultures and Turkey Buzzards. < *Forest and Stream*, xi, Oct. 31, 1878, p. 259.

Reprinted from "Florida Star."

1878. KITE, W. A Skunk eaten by Turkey-buzzards [*Cathartes aura*]. < *Am. Nat.*, xii, No. 12, Dec., 1878, p. 821.

1878. SMITH, G. STUART. The Condor [*Sarcorhamphus gryphus*]. < *Oölogist*, iv, No. 5, July, 1878, pp. 39, 40.

Compiled account of habits.

1880. ANON. The Condor [*Sarcorhamphus gryphus*]. < *Temperance Vedette* (newspaper of Terrill, Texas), Mar. 20, 1880.

Popular notice, copied from —.

1880. RIDGWAY, R. Notes on the American Vultures (*Sarcorhamphidæ*), with Special Reference to their Generic Nomenclature. < *Bull. Natl. Ornith. Club*, v, No. 2, Apr., 1880, pp. 77-84.

This is an attempt to fix the generic names, which, though comparatively few in number, have been almost inextricably involved, through the conflicting usages of authors who held to different rules for the adoption of genera. By a kind of "process of elimination", the author determines the following names, with their types: 1, *Sarcorhamphus* Duml., 1806, for the Condor; 2, *Gyparchus* Gloger, 1842, for the King Vulture; 3, *Pseudogryphus* Ridgw., 1874, for the Californian Vulture; 4, *Cathartes* Ill., 1811, for the Turkey Buzzard; 5, *Catharista* Vieill., 1816, for the Black Vulture. The synonyms of each of these are given, with the references. Remarks are made upon *Sarcorhamphus æquatorialis* and *S. gryphus*, *Pseudogryphus californianus*, *Cathartes burrovianus* and *C. pernigra*.

Bull. v, 4—18

## Columbidae.

### 1735. MOORE, J. Columbarium, etc.

Not seen.—This is the date of the orig. ed. of the famous work, which passed to many eds.; see the American, 1874. There is a verbatim reprint by W. B. Tegetmeier, London, 1879. Cf. *Ibis*, 1879, p. 219.

"The chief interest of Moore's 'Columbarium' consists in the careful descriptions of the different races of the domestic Pigeon as they existed in 1735, enabling a comparison to be made with those of the present day. The alterations produced by careful breeding, carried on for 150 generations, can thus be traced."

### 1759. KALM, P. Beskrifning på de vilda Dufvor, Som somliga är i så otrolig stor myckenhet Komma til de Södra Engelska nybyggen i Norra America. < *Kongl. Svensk. Vetensk.-Acad. Handl.*, xx, 1759, pp. 275-295.

The *Ectopistes migratorius* of authors.

### 1774. PORTAL, —. [Sur un Pigeon qui avoit deux ans; et sur un autre qui avoit une double trachée-artère.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1771, 1774, p. 38.

### 1765. ANON. A | Treatise | on | Domestic Pigeons; | comprehending | [etc., 31 lines.] | London: | Printed for and Sold by C. Barry, in Ingram Court, Fenchurch- | street. Sold likewise by P. Stevens, near Stationers Hall, Ludgate- | street; A. Webley, Holborn; and J. Walters, Charing-Cross. | M. DCC LXV. 1 vol. pp. i-xvi, 1-144, frontisp., and 13 pll.

### 1806. CAVANILLES, A. J. Natural History of the domestic Pigeons of Spain, particularly in the Province of Valentia. < *Tilloch's Philos. Mag.*, xxv, 1806, pp. 112-122.

From *Bibliothèque Physico-Économique*, No. 3, 1805. Classification, with summary characters of the various breeds, followed by an amplification of the same and general remarks on habits, &c.

### 1808-11. TEMMINCK, C. J. Histoire Naturelle | Générale | des Pigeons; | par C. J. Temminck, | Directeur de l'Académie Royale des Sciences et des Arts de Harlem, et Membre | de plusieurs Sociétés d'Histoire Naturelle. | Avec figures en couleurs, | peintes par Mademoiselle Pauline de Courcelles, | gravées, imprimées et retouchées sous sa direction. | — | Paris, | Garnery, Rue de Seine, Ancien Hôtel Mirabeau. | — | 1808[-1811]. 1 vol. folio. Prel. Title (Histoire Naturelle | des Pigeons | et des Gallinacés), 1 leaf; Temminck's Dedication to the King of Holland, 1 leaf; Title, 1 leaf; Introduction, pp. i-x; Temminck's Discourse on Pigeons, pp. 7-22; Text, pp. 23-41, 1-128, 1-30; Index, pp. i-xvj; Table, pp. i-iii; with 87 plates, in three series, 1-11; 1-25, 25 bis, 26-59; 1-16. [OR,]

### 1808-11. KNIP, Madame. Les Pigeons, | par Madame Knip, | née Pauline de Courcelles, | premier peintre d'Histoire Naturelle | de S. M. l'Impératrice Reine Marie-Louise. | Le texte par C. J. Temminck, | Directeur de l'Académie des Sciences et des Arts de Harlem, etc. | [Monogram.] | A Paris, |

Chez { M<sup>me</sup> Knip, Auteur et Éditeur, Rue de Sorbonne, Musée des Artistes. |  
— { Garnery, Libraire, Rue de Seine, Hôtel Mirabeau, n<sup>o</sup> 6.

— | De l'imprimerie de Mame. | M. DCCC XI. 1 vol. folio. Prel. Title (Les Pigeons), 1 leaf, Knip's new Title, 1 leaf; Knip's Discourse on Pigeons, pp. 1-14; Text, pp. 23-41, 1-128, 1-30; Table, pp. i-iii; with 87 plates, in three series, 1-11; 1-25, 25 bis, 26-59; 1-16.

This work is one of the curiosities of literature. Owing to the cause célèbre between the two ostensible authors, we have in effect the same work by two different authors, with two different title-pages, above transcribed. By comparing the two preceding paragraphs, the difference between the two forms of the work may be perceived.

The work was originally published in 15 livraisons, 1808-1811. At the 9th livraison, 1811,

## 1808-11. TEMMINCK, C. J., or KNIP, Madame—Continued.

Madame Knip accomplished a piece of truly feminine finesse, by which she stole it from Temminck. To do this, she changed the cover-title of the 9th and following livraisons, and made sundry other alterations to suit her purpose. With the 15th livraison she furnished new title-pages of the whole work, substituted a new *Discours sur les Pigeons*, and directed the binder to suppress Temminck's title-pages, his entire Introduction, his Index, and his *Discours*. To account for the break in the pagination of the text between p. 23 and p. 11, she even went so far as to declare it was a typographical error. This was certainly a bold trick, regardless of consequences. But no such piracy as seems to have suited the lady's taste could hope to pass without detection; and Temminck immediately published an indignant reclamation, exposing and protesting against the fraud. What may have gone on under the surface would doubtless be even more curious than what has transpired, but the historical facts are sufficiently novel.

There is a unique copy of this work in the Library of the Philadelphia Academy, from the *Bibliothèque de J. B. Hazard*, preserving all the original cover-titles, and giving some manuscript notes explaining the whole affair. These I shall transcribe beyond.

The first eight livraisons appeared under the following cover-title, 1808-1810:—

Histoire [ Naturelle ] des Pigeons. — [ . . . ] Livraison. — [ A Paris. ] chez Garnery, Rue de Seine, Ancien Hôtel Mirabeau. — [ De l'imprimerie de Mame Freres. ] Rue de Pot-de-Fer, n° 14. [ 1809 ] [ 1810 ].

Though the date on the title is 1808, that on livr. 1, 2, 3, 4, 5 is 1809, and perhaps none of the work appeared before 1809. The date on livraisons 6, 7, 8 is 1810. With the 9th livraison Madame Knip stole the work, altering the cover-title to—

Les Pigeons. [ par Madame Knip. ] née Pauline de Courcelles. [ Premier Peintre d'Histoire Naturelle ] de S. M. l'Impératrice Reine Marie-Louise. [ Le texte par C. J. Temminck. ] Directeur de l'Académie des Sciences et des Arts de Harlem, etc. — [ . . . ] Livraison. Prix 40 francs. — [ Chaque livraison, accompagnée de son texte, est composée de six figures en couleurs [ d'après les dessins de l'Auteur, gravées, imprimées, et retouchées sous sa direction. ] L'Histoire Générale des Pigeons aura quinze livraisons formant un volume. ] A Paris. [ Chez } M<sup>me</sup> Knip, Auteur et Éditeur, Rue de Sorbonne, Musée des Artistes. — [ De l'imprimerie de Mame. ] M. DCCC XI.

The unique copy examined is invaluable in containing Hazard's msc. "Notes Bibliographiques." I think it advisable to publish these notes, as further explaining the transaction. It is to be understood that this copy forms two volumes—one, Temminck's, without the main text, and with the plates uncolored, but with all the suppressed pieces of the work; the other, Knip's, with the substituted titles and discourse, the main text, and the plates colored. (The plates were issued in two series, colored and plain.) The following is Hazard's MS.:—

## "NOTES

Bibliographiques sur l'exemplaire de l'Histoire Naturelle des Pigeons, que j'ai dans ma Bibliothèque.

"Cet exemplaire est unique, non seulement par les différentes pièces qu'il contient, qui l'ont fait diviser en deux volumes; mais encore par la beauté des épreuves des doubles figures, et par les portraits qui y ont été ajoutés.

"On sait que cet ouvrage a été rédigé, pour le texte, par *M. Temminck*, et pour les figures, par *Mademoiselle Pauline de Courcelles*, depuis *Madame Knip*; que ce ne devait être que la première partie d'un ouvrage plus considérable (*l'Histoire Générale des Pigeons et des Gallinacés*), qui devait avoir trois volumes; que d'après les arrangemens particuliers des auteurs, *Madame Knip* est demeurée propriétaire de l'ouvrage des Pigeons; qu'elle y a fait des suppressions et des additions pour ne conserver que ce qui était relatif aux Pigeons, et qu'il n'y a eu qu'un petit nombre d'exemplaires (douze) délivrés au Public, tels qu'ils étaient extraits des mains de *M. Temminck*, d'après le plan général de l'ouvrage; on trouvera ces détails dans la réclamation de *M. Temminck*, . . .

"Voici la note des pièces qui composent les deux volumes.

"1<sup>er</sup> Volume. (Temminck's.)

"1<sup>o</sup>. Faux titre général de l'ouvrage *Histoire Naturelle des Pigeons et des Gallinacés*, au verso est jointe une lettre autographe de *Madame Knip*, née *Pauline de Courcelles*, qui m'envoie les pièces qui ont été supprimées: un feuillet. [La lettre a été retirée plus tard.—E. C.]

"2<sup>o</sup>. Réclamation de *M. Temminck*, contre *Madame Knip*, pièce manuscrite, extraite du tome troisième de *l'Histoire Naturelle générale des Pigeons et des Gallinacés*, en trois volumes in-8<sup>o</sup>, 1813-1815: une feuille.

"3<sup>o</sup>. Avis au Relieur sur les pièces à supprimer et à remplacer par d'autres: un feuillet.

"4<sup>o</sup>. Faux titre général de l'ouvrage. . . . Ces titres ont été supprimés plus tard: une feuille, 4 pages.

"5<sup>o</sup>. Un très beau portrait de Louis Napoleon, roi de Hollande, dessiné par Grégorius

## 1808-11. TEMMINCK, C. J., or KNIP, Madame—Continued.

d'après la buste de *Castellier*, gravé par *L. C. Ruotte*, et auquel *M. Temminck* avait dédié son ouvrage: un feuillet, 2 pages.

"6°. Épître dédicatoire de *M. Temminck*, au roi de Hollande, supprimée à tous les exemplaires, par l'auteur lui-même: un feuillet, 2 pages.

"7°. Introduction de *M. Temminck*, sur l'ordre générale des Gallinacés: sur la dernière page, est l'extrait du Rapport fait à l'Institut national, classe des sciences physiques et mathématiques, par *MM. Lacépède et Cuvier*, sur les figures coloriées de *Mademoiselle Pauline de Courcelles*. L'introduction étant générale a été supprimée dans l'histoire des Pigeons: 10 pages.

"8°. Discours sur l'ordre des Pigeons: 16 pages. Ce discours, paginé 7-22, devait faire suite aux 6 pages du titre et de l'épître dédicatoire; l'introduction qui le précède y avait été ajoutée après l'impression. Il a aussi été supprimé et remplacé par un autre, extrait de celui-ci, que l'on trouvera indiqué dans le volume suivant.

"9°. 87 planches des Pigeons, figures noires, avant la lettre, exemplaire d'amateur: épreuves que *Madame Knip* a bien voulu me choisir et sur lesquelles elle a mis, elle-même, les noms des Pigeons, au crayon. J'ai divisé les trois sections par des titres séparés: Les Colombars, Les Colombes, Les Colombi-Gallines.

"10°. Index (ornithologique): 16 pages. Cet Index a aussi été supprimé.

"11°. Table: une feuille. Cet Table indiquant les pièces supprimées, a été supprimé aussi et réimprimé pour le volume suivant.

"12°. Enfin, j'ai conservé à ce volume, soit en tête, soit à la fin, les titres-enveloppes des huit premières livraisons, qui portent le premier titre d'Histoire naturelle des Pigeons, sous les dates 1809-1811. Ce n'est qu'à la neuvième livraison que *Madame Knip* les a changés ainsi qu'ils sont dans le second volume.

"2<sup>e</sup> Volume. [Knip's.]

"1°. Nouveau Faux-Titre, Les Pigeons, et Titre du volume . . . : un feuillet, 4 pages.

"2°. Un très beau portrait, en couleurs, de Marie-Louise, archiduchesse d'Autriche, Impératrice de France, Reine d'Italie, dessiné d'après le buste de *Bosio*, par *Durand Duclos*, gravé par *L. C. Ruotte*: L'Ouvrage lui avait été présenté par *Madame Knip*, et avait valu à cette dernière le titre du premier peintre d'Histoire Naturelle de Sa Majesté. Ce portrait a été ajouté par moi.

"3°. Le nouveau *Discours sur l'ordre des Pigeons*, 14 pages; on trouve sur la quatorzième l'extrait du Rapport de l'Institut qui, dans le volume précédent, est à la suite de l'Introduction supprimée.

"4°. Les 87 figures coloriées des Pigeons formant les trois séries, épreuves que *Madame Knip* a bien voulu me choisir, elle-même; elles sont placées en face de leurs descriptions, dans le texte.

"5°. Le texte, commençant page 23, avec les Colombars, première division, et faisant suite au *Discours sur l'ordre des Pigeons*, du volume précédent, finit page 41; quelques erreurs typographiques dans la pagination ont été corrigées avec soin, à la plume. Le texte recommence page 1, avec les Colombes, deuxième division, et se termine page 128. Il recommence encore page 1, avec les Colombi-Gallines, troisième division, et finit page 30.

"6°. La différence de pagination du texte avec les pièces liminaires de ce volume, résultant du pièce supprimée, du volume précédent, a été indiquée par *Madame Knip* comme une faute d'impression, au verso du faux titre.

"7°. La table, qui a été réimprimée, et qui n'indique plus, en tête la Dédicace et l'Introduction, et à la fin l'Index ornithologique, qui ont été supprimés.

"8°. J'ai conservé aussi, à ce volume, comme au précédent, soit en tête, soit à la fin, les titres-enveloppes du livraison 9 à 15 et dernière, sous la date de 1811, qui diffèrent de ceux du précédent, par le titre nouveau, par plus d'étendue et plus d'ornemens typographiques."

The errors of pagination in the first set of pages, from 37 to 41, have been corrected so neatly with the pen in this copy that I cannot make out what they were. The series of plates is consecutive, 1 to 86, with 25 bis = 87; but pl. xxxiii is wrongly numbered xxxi. and pl. xivii is numbered lxxvii. The following is a list of the plates—those with the asterisk being Temminck's species:—

I. Colombars.—Pl. 1, 2, *Columba militaris*\*; 3, *C. australis*; 4, *C. psittacea*\*; 5, 6, *C. arnatica*; 7, *C. calva*\*; 8, 9, *C. abyssinica*; 10, 11, *C. vernans*.

II. Colombes.—Pl. 1, *Columba spadicea*; 2, *C. palumbus*; 3, 4, *C. oenea*; 5, *C. aratrix*\*; 6, *C. armillaris*\*; 7, *C. littoralis*\*; 8, *C. chalcopetra*; 9, *C. cristata*\*; 10, *C. cariba*; 11, *C. oenas*; 12, *C. livia*; 13, *C. leucocephala*; 14, *C. speciosa*; 15, *C. portoricensis*\*; 16, *C. guinea*; 17, *C. madagascariensis*; 18, *C. gymnoptalmos*; 19, *C. francie*; 20, *C. rubricapilla*; 21, *C. auricularis*\*; 22, *C. elegans*\*; 23, *C. cineta*\*; 24, *C. rufina*\*; 25, 25 bis, *C. aurita*\*; 26, *C. javanica*; 27, *C. jambos*; 28, 29, *C. violacea*\*; 30, *C. melanocephala*; 31, *C. larvata*\*; 32, *C. holosericea*; 33, *C. superba*\*; 34, 35, *C. purpurata*; 36, *C. tympanistra*\*; 37, *C. cerulea*\*; 38, 39,



## 1308-11. TEMMINCK, C. J., or KNIP, Madame—Continued.

*C. afra*; 40, *C. bitorquata*\*; 41, *C. vinacea*\*; 42, *C. turtur*; 43, *C. tigrina*\*; 44, *C. risoria*; 45, *C. cambayensis*; 46, *C. alba*\*; 47, *C. malaccensis*; 48, 49, *C. migratoria*; 50, *C. carolinensis*; 51, *C. dominicensis*; 52, *C. mangel*\*; 53, 54, *C. capensis*; 55, *C. erythroptera*; 56, *C. mystacea*\*; 57, *C. godefrida*\*; 58, *C. cinerea*\*; 59, *C. squamosa*\*.

III. *Columbæ Gallinæ*.—Pl. 1. *Columba coronata*; 2, *C. nicobarica*; 3, *C. cyanocephala*; 4, *C. montana*; 5, 6, *C. martinica*; 7, *C. erythrorax*\*; 8, 9, *C. eruenta*; 10, *C. frontalis*\*; 11, *C. carunculata*\*; 12, *C. talpacoti*\*; 13, 14, *C. passerina*; 15, *C. hottentota*; 16, *C. minuta*.

There is a continuation of this work, by Knip, text by Prévost, 1838-4-, forming ostensibly a second volume.

1313-15. TEMMINCK, C. J. Histoire Naturelle Générale | des | Pigeons | et des | Gallinacés, | par | C. J. Temminck, | Chevalier de l'ordre Impérial de | la Réunion, Directeur de la | Société des Sciences à Harlem, | et Membre de plusieurs | sociétés d'histoire naturelle. | Ouvrage en trois volumes. | Accompagné de | Planches Anatomiques. | — | Tome Premier [Second, Troisième]. | — | à Amsterdam, | chez J. C. Sepp & Fils, | et à Paris, | chez C. Dufour, | 1813 [1815]. | à l'Imprimerie de H. O. Brouwer, heerenmarkt | No. 5, à Amsterdam. 3 vols. Svo. Vol. I, 1813, frontisp., pp. 1-499 + 1 p. Vol. II, 1813, pp. 1-477 + 1 p. Vol. III, 1815, 1 p. l., pp. 1-757 + 1 p., pll. i-xi.

The 1st vol. treats of the Pigeons, the other two of the *Gallinacæ* (incl. *Tinamidæ*, etc.); at end of 1st and 3d vol. is an "index", or synopsis of the species treated, with characters, synonymy, and habitat of each. The plates bound at end of 3d vol. pertain to vols. ii and iii: the frontisp. of vol. i to the *Columbæ*. This is a very well known and "standard" treatise.

Vol. I is really the text of Temminck's plates, *Hist. Nat. Génér. des Pigeons*, folio, Paris, 1808-1811 (for circumstances of the case see above). *Columba militaris*, p. 39; *psittacæ*, p. 47; *aromatica* var., p. 53; *calca*, p. 63; *argyriatrix*, p. 93; *arnilla*, p. 97; *littoralis*, p. 99; *cristata*, p. 108; *picazuro*, p. 111; *maculosa*, p. 113; *gymnophthalmos* (sic), p. 225; *auricularis*, p. 236; *elegans*, p. 240; *cincta*, p. 243; *cygna*, p. 245; *aurita*, p. 247; *violacea*, p. 260; *larvata*, p. 267; *holosericea*, p. 269; *mystacea*, p. 275; *superba*, p. 277; *lymnpiestrina*, p. 287; *cærulea* (sic), p. 290; *geoffroyi* (sic), p. 297; *cinerea*, p. 299; *bitorquata*, p. 301; *vinacea*, p. 303; *picturata*, p. 315; *tigrina*, p. 317; *alba*, p. 333; *squamosa*, p. 336; *mangel*, p. 363; *erythrorax* (sic), 405; *carunculata*, p. 415; *talpacoti*, p. 421; *picui*, p. 435; *miniata*, p. 460; *brunnea*, p. 475—"miki".

Vol. II. *Pavo cristatus primus*, p. 27; *Gallus sonneratii*, p. 246; *morio*, p. 253; *lanatus*, p. 256; *furcatus*, p. 261; *ecandatus* (sic), *primus*, p. 267; *macartneyi*, p. 273; *Phasianus eulchicus hybridus*, p. 319; *torquatus primus*, p. 326; *satyrus*, p. 349; *Lophophorus refulgens*, p. 355; *Polyplectron chinquis*, p. 363; *Argus gigas*, p. 410—"miki".

Vol. III. *Pauxi galeata*, p. 1; *Pauxi mita*, p. 8; *Crax rubra*, p. 21; *C. carunculata*, p. 44; *Pelecanus parrakoua*, p. 85; *Tetrax saliceti*, p. 208; *Pterocles arcuarius*, p. 240; *Pt. bicinctus*, p. 247; *Pt. quadricinctus*, p. 252; *Pt. setarius*, p. 256; *Pt. tachypetes*, p. 274; *Syrhaptes pallasi*, p. 282; *Perdix clamator*, p. 298; *adansonii*, p. 305; *longirostris*, p. 323; *thorcica*, p. 335; *gularis*, p. 401; *oculea*, p. 408; *dentata*, p. 419; *borealis*, p. 436; *sonnini*, p. 451; *Coturnix perlata*, p. 470; *australis*, p. 474; *textilis*, p. 512; *excalfactoria*, p. 516; *grisea*, p. 523; *nova guineæ*, p. 524; *Cryptonix* (sic) *coronatus*, p. 526; *rufus*, p. 534; *Tinanus rufescens*, p. 552; *maculosus*, p. 557; *lao*, p. 569; *undulatus*, p. 582; *adspersus*, p. 585; *obsoletus*, p. 588; *lataupa*, p. 590; *stigmolus*, p. 594; *nanus*, p. 600; *Hemipodius nigricollis*, p. 610; *pugnax*, p. 612; *nigricollis*, p. 619; *thoracicus*, p. 622; *tachydromus*, p. 626; *maculosus*, p. 631; *fasciatus*, p. 634; *Turnix hottentottus*, p. 636—"miki".

The majority of all the birds in these three volumes are thus described as new; a large part of the rest are credited to Latham. Temminck's names are barbarous in many cases, most of those given in the French vernacular being horrid; but that has always been the style with the French ornithologists.

Vol. III concludes with a statement from Temminck of the circumstances under which his folio work on the Pigeons appeared—which is not only important as a bibliographical matter, but delightful as a bit of gossip. In explanation both of the present publication and of the folio work on the Pigeons, I here give the substance of his grievance as set forth by him:

The present work, says Temminck, was intended to appear in folio, with colored plates. The first volume of the folio edition appeared at Paris in 1808 and was completed in 1811, under the direction of Mlle. Pauline de Courcelles, afterward Madame Knip, a very accomplished natural history artist, all of whose works attest her distinguished talents. This lady was charged with the supervision of the engraving, 47 drawings having been made by her from specimens of Pigeons in the Paris Museum, and 40 others copied by her from M. Prêtre's designs, the latter made under Temminck's supervision. The first livraison appeared in 1808, with the same general title as the present edition; Mlle. de Courcelles being properly credited with her part of the work in the following terms: "Avec figures en couleurs peintes par Mademoiselle Pauline de Courcelles, gravées, imprimées et retouchées sous sa direction."

## 1813-15. TEMMINCK, C. J.—Continued.

No sooner was the work completed than Madame Knip, "the ingrate", saw fit to replace the title with another in which she appeared as the author, her concoction being in the following terms: ". . . les Pigeons par Madame Knip, née Pauline de Courcelles, première peintre d'histoire naturelle de S. M. l'Impératrice et Reine. Le texte par C. J. Temminck [sic].—Se vend à Paris, chez l'auteur, Rue Serpentine, Musée des Artistes." She suppressed 40 pages of text, which would have told against her, and did the same for the 16 double-column pages of the Latin index. The work thus mutilated was presented to Queen Marie Louise, and secured for Mad. Knip some favors her ambition had long coveted. Nevertheless, to keep Temminck in the dark, the lady had the wit to send him some perfect copies, properly titled. It had been agreed that he was to have eight copies; these eight, he says, and four others which bear the date 1808 and have the Latin index, "sont les seuls approuvés par moi"—whence it appears that there are only twelve perfect and authorized copies of the folio work extant! The aggrieved author found out the artful woman's trick when he went to Paris to publish the part of the work relating to the *Gallinæ*; but it was too late. He could obtain no redress; the plot was backed up by royalty; journalists refused his "reclamations", even his reply to an article which the lady published—and which, I suppose, if I could lay my hands on it, would tell quite another story. Such, in brief, is Temminck's own version of the affair which determined him to publish the present 8vo ed. For further particulars relating to the folio work, see under that head, 1808-11.

1824. BOITARD, [P.] and CORBIÉ, —. Les Pigeons | de | Volière et de Colombier, | on | Histoire Naturelle et Monographie | des Pigeons domestiques. | renfermant | la nomenclature et la description de toutes les races | et variétés constantes connues jusqu'à ce jour; la | manière d'établir des colombiers et volières: d'élever, | soigner les pigeons, etc., etc. | Dédicé à son Altesse Royale | Madame la Duchesse de Berry. | par MM. Boitard et Corbié. | Avec vingt-cinq figures de pigeons peints d'après nature. | A Paris. | Chez { Audot, Libraire-Éditeur, rue de Maçons-Sor. | bonne, n. 11. | } Corbié, Oiselier de S. A. R. madame la duchesse | de Berry, quai de la Mégisserie, n. 66. | — | 1824. 1 vol. 1 p. l., pp. i-viij, 1-240, pll. 1-25, + 1.

Histoire générale des pigeons—Origine des pigeons domestiques—Du croisement des races—Nourriture—Accouplement—De la ponte et de l'incubation—Des pigeonceaux—Du jeune pigeon et de la connaissance des sexes—Maladies des pigeons—Du colombier—Manière de peupler le colombier—Soins à donner au colombier—De la colombier—Ustensiles—De la volière—Soins à donner à la volière—Dégâts et utilité des pigeons.

Partie 2<sup>e</sup>, Monographie des Pigeons de volière.—Pigeons de la première-vingt-quatrième race.—Colombes tourterelles.—Tourterelle des bois, à collier, et blanche.

1825. DESM[ARE]ST, [A. G.] Les Pigeons de volière et de Colombier, . . . : par MM. Boitard et Corbié. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., iv, 1825, pp. 258-260.
1827. AUDUBON, J. J. Notes on the Habits of the Wild Pigeon of America, *Columba* [Ectopistes] migratoria. < *Edinb. Journ. Sci.*, vi, 1827, pp. 257-265. (*Froriep's Notizen*, xvii, 1827, col. 257-262.)

Read before the Roy. Soc. Edinb., Feb. 19, 1827.

1827. L[UROTH], S. G. Observations sur les habitudes du Pigeon sauvage d'Amérique (*Columba* [Ectopistes] migratoria); par J.-J. Audubon. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xii, 1827, pp. 125, 126.

Précis, tiré de l'*Edinb. Journ. of Science*, vi, avril 1827, pp. 257-265.

1828. ANON. Sur les *Columba domestica*, *livia* et *Analiae*; par M. Brehm. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xiv, 1828, pp. 260, 261.

Précis, tiré de l'*Isis*, xxi, 1828, pp. 136-141.

1828. BREHM, C. L. Ueber *Columba domestica*, *livia* et *Analiae*. < *Oken's Isis*, Bd. xxi, 1828, pp. 136-141.

1829. [EDITORIAL.] Notice respecting a Pigeon which continued to live two days without Brain and upper part of Spinal Marrow. < *Edinb. New Philos. Journ.*, vii, 1829, p. 372.

Note on M. Desportes's communication to Acad. Sci. Paris.

1829. FLEMING, [J.] Description of the Passenger Pigeon [*Ectopistes migratorius*]. < *London's Mag. Nat. Hist.*, i, 1829, p. 488.

1829. "J. M." *Columba* [Ectopistes] *migratoria* (the Wild Pigeon). < *London's Mag. Nat. Hist.*, ii, 1829, pp. 369, 370.

Quotations from the Rochester, N. Y., *Genesee County Register*, Dec., 1828; *Susquehanna County Register*, May, 1829, and *New York Med. and Phys. Journ.*, ii, p. 210.

1832. ANON. Mode of decoying Wild Pigeons [Ectopistes *migratorius*] in New England. < *London's Mag. Nat. Hist.*, v, 1832, pp. 452, 453.

From *Silliman's Journal*.

1833. HUNT, J. [Note on the Breeding of the Passenger Pigeon (Ectopistes *migratorius*, Swains.), in the Society's Menagerie.] < *P. Z. S.*, i, 1833, p. 10.

1835. ANON. Passenger Pigeon [Ectopistes *migratorius*, at Baffin's Bay, lat. 73½° N.]. < *Edinb. New Philos. Journ.*, xx, 1835, p. 209.

From *Ross's Voyage*.

1835. ANON. The Carrier-Pigeon. A Society of Pigeon Fanciers, at Ghent, give an Annual Prize for the Best Carrier Pigeon. < *London's Mag. Nat. Hist.*, viii, 1835, p. 619.

1835. SELBY, P. J. The | Naturalist's Library. | Edited by | Sir William Jardine, Bart., | F. R. S. E., F. L. S., etc., etc. | Vol. IX. | — | Ornithology. | Pigeons. | By Prideaux John Selby, Esq., | F. R. S. E., F. L. S., M. W. S., etc., etc. | — | Edinburgh: | W. H. Lizars, [etc.] [1835.] 1 vol. sm. 12mo. Portrait of Pliny, eng. col'd title, contents, 1 leaf, pp. 17-252, cuts, pll. 1-30 (+ portrait and vignette = 32 pll.).

Being Vol. V of the general arrangement. "The Pigeons, . . . are now, in accordance with their true affinities, admitted into the order of the Rasores, or Gallinaceous Birds, of which they form one of the five great groups or divisions, the other four being represented by the Pavonidae, Tetraonidae, Struthionidae, and Cracidae"—in spite of which opening, the book continues well.—Pl. 1, *Vinago aromatica*; 2, *V. oxyura*; 3, *Ptilinopus purpuratus*; 4, *P. monachus*; 5, *P. cyanovirens*; 6, *Carpophaga* (Selby, p. 112) *magnifica*; 7, *C. oceanica*; 8, *Columba phasianella*; 9, *C. spodiacea*; 10, *C. dilopha*; vignette, *C. palumbus*; 11, *C. onas*; 12, *C. livia*; 13, var. *tenella luteocanda*; 14, *C. cucullata jacobina*; 15, var. *gutturosa subrubicunda*; 16, *C. turcica*; 17, *Turtur risorius*; 18, *T. ? lophotes*; 19, *Ectopistes migratoria*; 20, *E. ? capensis*; 21, *Phaps* (Selby, p. 194) *chaleoptera*; 22, *Chœmpelia* (sic) *talpiloti* (sic); 23, *Peristera tympanistris*; 24, *P. jamaicensis* (named *rufaxilla* on pl.); 25, *P. martinica* (named *cuprea* on pl.); 26, *P. larvata*; 27, *Geophilus* (Selby, p. 214) *cyanoccephalus*; 28, *G. carunculatus*; 29, *G. nicobaricus*; 30, *Lophyrus coronatus*. "Miscellaneous observations on the rearing, feeding, and management of domestic pigeons" concludes the volume.

1838-4-. KNIP, Madame, and PRÉVOST, F. Les Pigeons, | par Madame Knip, | née Pauline de Courcelles, | le texte par Florent Prévost, | Aide Naturaliste et Chef des Travaux Zoologiques au Muséum | d'Histoire Naturelle. | — | Tome Second. | — | A Paris, | Chez { M<sup>me</sup> Knip, auteur des dessins, et éditeur,  
Bellizard, Dufour et C<sup>ie</sup>, Libraires. Rue  
Rue de Bac, N<sup>o</sup> 17. | — | Typographie de Firmin Didot Frères, Rue Jacob,  
de Vernetil, 1 bis. | — | 56. [n. d. 1838-184-.] 1 vol. folio. Prel. title, 1 leaf; title, 1 leaf; table, 1 leaf (2 pages); text, pp. 1-113. Plates, 1-60, colored.

This is ostensibly Vol. II of the Temminck-Knip work; but, appearing many years afterward, with text by another person, it is in effect a different work altogether, though in continuation of the same subject, and prepared in the same style. The volume examined in the Libr. Phila. Acad. is bound uniform with Hazard's unique copy of Temminck-Knip; but unfortunately the cover-titles of the livraisons are not preserved, so that I cannot give the dates. It stands announced for 15 livraisons of 4 plates each, and, according to Engelmann, livrs. 1-12 appeared 1838-43.

The following is a list of the plates:

Pl. 1. *Columba puella*. 2. *leucotis*. 3. *zoeæ*. 4. *porphyria*. 5. *humeralis*. 6. *reincardtsii*. 7. *humilis*. 8. *cyanovirens*. 9. *rufigaster*. 10. *sieboldii*. 11. *gularis*. 12. *olax*. 13. *lophotes*. 14. *pulehella*. 15. *pinon*. 16. *janthina*. 17. *viridis*. 18. *denisea*. 19. *dilophus*. 20. *dussumieri*. 21. *perlata*. 22. *boliviana*. 23. *xanthura*. 24. *oceanica*. 25. *magnifica*. 26. *renusta*. 27. *gelistes*. 28. *loxomela*. 29. *radiata*. 30. *oxyura*. 31. *modesta*. 32. *aymeri*. 33. *scripta*. 34. *rosacea*. 35. *picturata*. 36. *ruficeps*. 37. *capistrata*. 38. *capellei*. 39. *picui*. 40. *luctuosa*. 41. *macquarii*. 42. *superba*. 43. *laurivora*. 44. *locutrix*. 45. *histrionica*. 46. *manadensis*. 47. *forsterii*. 48. *cruziana*. 49. *sphenura*. 50. *leucocota*. 51. *histrionica*. 52. *pha-*

## 1838-4-. KNIP, Madame, and PRÉVOST, F.—Continued.

*sianella*. 53. *monacha*. 54. *hyogaster*. 55. *Colombigallina linearis*. 56. *Columba mullerit*. 57. *rieolii* (nobis). 58. *plumifera*. 59. *nuna*. 60. *mayeri*.

In the text the species are only given under their French vernacular names. But the technical names are graven on the plates, and also given in the table.

1839. WEISSENBORN, [W.] [Letter relating to a Pigeon destitute of Organs of Vision. < *P. Z. S.*, vii, 1839, p. 175.1840. HUNTER, J. On a Secretion in the crop of breeding Pigeons, for the nourishment of their young. < *Obs. Anim. Econ.*, Amer. ed., 1840, pp. 149-151. Orig. ed., 1786.1844. CABOT, S., JR. [Note on *Columba trudeaui*.] < *Proc. Inst. Soc. Nat. Hist.*, i, 1844, p. 183.1847. MCCALL, G. A. Description of a supposed new species of *Columba* [solitaria], inhabiting Mexico, with some account of the habits of the *Geococcyx viaticus*, Wagler. < *Proc. Acad. Nat. Sci. Phila.*, iii, July, 1847, pp. 233-235.1847. MCCALL, G. A. Description of a supposed new species of *Columba* [solitaria] inhabiting Mexico. < *Am. Journ. Sci.*, iv, 1847, p. 421.

From *Proc. Acad. Nat. Sci. Phila.*, iii, 1847, p. 233.

1850. [KIRTLAND, J. P.] Wild Pigeon—*Ectopistes migratoria*. < *The Family Visitor*, i, No. 17, 1850, p. 133.

1,285 netted one day near Circleville, Ohio.

## 1851. EATON, J. M. Dedicated to the young and inexperienced fancier | of the Almond Tumbler. | — | A | Treatise | on the art of | Breeding and Managing | the | Almond Tumbler. | — | By John Matthews Eaton | — | [Quotation.] | — | Published for the author. | 7, Islington Green, London. | — | 1851. 1 vol. 8vo. pp. i-vi, 7-49 + 1 p. Followed by Notes on a treatise on the art of breeding and managing the Almond Tumbler. By an old Fancier. pp. i-viii.

1851. HARTLAUB, "P." [i. e., G.] Sur une nouvelle espèce de Colombe [*Zenaida innotata*] de Chili. < *Rev. et Mag. de Zool.*, iii, 1851, p. 74.

## 1852. EATON, J. M. Dedicated to the young and inexperienced Fancier | of tame, domesticated, and fancy Pigeons. | — | A | treatise | on the art of | breeding and managing | Tame, Domesticated, and Fancy Pigeons, | carefully compiled from the best authors, with observations, containing | all that is necessary to be known of tame, domesticated, and fancy pigeons. | — | By John Matthews Eaton. | Author of the Almond Tumbler. | — | [Quotation.] | — | Published for, and to be obtained of, the author, | 7 Islington Green, London. | — | 1852. 1 vol. 8vo. pp. i-xxii, 23-88.

This is an annotated reprint of John Moore's *Columbarium* (London, 1735), the full title-page of which makes p. ix of the present tract, the preceding pp. being Eaton's preliminary matter. His annotations are in the form of foot-notes throughout the tract, sometimes occupying the whole page, as pp. 59, 60, 61. Moore's tract ends at p. 80, and Eaton's concludes the vol.

## 1852. EATON, J. M. [Plates accompanying a treatise on Fancy Pigeons, by J. M. Eaton.] 4to and fol. size. London: published Dec. 8, 1852. 6 plates, colored.

No title-page; plates not numbered. 1, Almond Tumbler, 4to; 2, Black Mottle, 4to; 3, Bald Head, 4to; 4, Beard, 4to; 5, Carrier, folio, folded. 6, Powder, folio, folded. I suppose these plates belong to Eaton's treatise of same date, *q. v.*, but there is nothing to show this.

1852. WOODHOUSE, S. W. Description of a new species of *Ectopistes* [*marginella*]. < *Proc. Acad. Nat. Sci. Phila.*, vi, 1852, pp. 104, 105.1854-55. BONAPARTE, C. L. Coup d'œil sur l'ordre des Pigeons. < *Compt. Rend. de l'Acad. Sci.*, xxxix, 1854, pp. 859-880, 1072-1078, 1102-1112; xl, 1855, pp. 15-24, 96-102, 205-215.

1854.—*Phalarotroteron*, p. 872; *Butroteron*, *Crocopus*, p. 873; *Osmotroteron*, p. 874; *Leucotroteron*, *Thousarsitroteron*, *Lamprotroteron*, p. 876; *L. apicalis*, p. 876; *Cyanotroteron*, *Ramphiculus Jotroteron*, *Kurutroteron*, *Omeotroteron*, p. 878; *O. batilda*, p. 878; *Globicera*, p. 1072; *G. tarrali*, *G. sundevalli*,

## 1854-55. BONAPARTE, C. L.—Continued.

*G. rubricera*, "Gray", p. 1073; *Carpophaga chalybura*, *C. ochropygia*, *Ptilocolpa*, p. 1074; *Pt. carola*, *Pt. griseiceps*, "Gray", p. 1075; *Ducula paulina*, "Temm.", *D. basilica*, "Temm.", *Hemiphaga*, p. 1076; *Myristicivora grisea*, "Gray", p. 1078; *Leucomeleona*, *Trocaza*, *Turtur. oena*, p. 1104; *Stictocnas dilloni*, p. 1105; *Palumbœnas*, p. 1107; *Columba (Chlorœna) albilinea*, "Gray", p. 1108; *Chlorœnas spilodera*, "Gray", p. 1109; *Crossopthalmus reichenbachii*, p. 1110; *Macropygia doreya*, p. 1111; *M. carteretia*, *Turacœna*, *Reinwardtœna typica*, p. 1112.

1855.—*Streptopelia*, p. 17; *Aplopelia*, p. 18; *Chalcopelia*, p. 19; *Chamaepelia granatina*, *C. albivitta*, *C. trochila*, *C. amazilia*, p. 21; *Talpacotia*, p. 22; *Chamaepelia rufipennis*, Gray, *Ch. godinæ*, p. 22; *Columbula*, p. 22; *Metriopelia*, *M. gymnops*, Gray, p. 23; *M. inornata*, Gray, p. 24; *Scardafella*, *S. inca*, *Uropelia*, p. 24; *Zenaidura*, *Z. marginella*, p. 96; *Zenaida bimaculata*, "Gray", *Z. hypoleuca*, Gray, *Z. ruficauda*, Gray, p. 97; *Z. pentheria*, *Z. stenura*, p. 98; *Leptotilla verreauxi*, *L. dubusi*, p. 99; *Geotrygon chrysia*, p. 100; *G. bourcierii*, *G. saphirina*, p. 101; *Osculatia*, *Starnœnas*, p. 102; *Pampusana*, p. 207; *Chalcophaps augusta*, p. 209; *Chrysarchœna*, p. 210; *Phapitreron amethystina*, p. 214; *Globiceera microœra*, *Ducula pistrinaria*, p. 215.—Tableau! p. 212. (Coup de théâtre!! "À moi la cargaison"!!!)

1854. BONAPARTE, C. L. Coup d'œil sur les Pigeons. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 680, 681.

Résumé de la commencement de la troisième partie de son ouvrage présenté à l'Acad. de Paris, séance du 11 déc. 1854.

1854. DESPORTS, E. H. Observation de longévité d'un pigeon. < *Ann. des Sci. Nat.*, 4<sup>e</sup> sér., ii, 1854, pp. 249-254.1855. GREENLEAF, P. H. Observations on the Flight of the American Passenger Pigeon [*Ectopistes migratorius*], at Madison, Ind., March, 1855. < *Proc. Bost. Soc. Nat. Hist.*, v, 1855, pp. 181, 182.1856. [BILLINGS, E.] On the Pigeon, (*Ectopistes Migratoria*.) < *Canad. Nat. and Geol.*, i, June, 1856, pp. 168-176.

Compilation from Wilson.

1856. BONAPARTE, C. L. Additions et Corrections au Coup d'œil sur l'Ordre des Pigeons, et à la partie correspondante du Conspectus Avium. < *Compt. Rend. de l'Acad. Sci.*, xliii, 1856, pp. 833-841, 942-949.

*Thouarsitron minor*, *Drepanoptila*, p. 834; *Ducula concolor*, *Palumbus excelsus*, p. 836; *Trocaza bouvieri*, p. 837; *Columba erersmanni*, p. 838. Voir 1854-55, même auteur.

1856. BONAPARTE, C. L. Additions et corrections au Coup d'œil sur l'ordre des Pigeons et à la partie correspondante du Conspectus Avium. < *Rev. et Mag. de Zool.*, viii, 1856, p. 535, et pp. 538, 539.

Voici seulement la Note qui précède ces additions, et la conclusion générale.

1857-58. BONAPARTE, C. L. Iconographie | des Pigeons | non figurés par M<sup>me</sup> Knip (M<sup>le</sup> Pauline de Iconcelles) | dans les deux volumes de MM. Temminck et Florent Prevost | par Charles-Lucien Bonaparte | — | Ouvrage servant d'illustration à son | Histoire Naturelle des Pigeons | — | Paris | P. Bertrand, Libraire-Éditeur | Rue de l'Arbre-sec, 22 | 1857 [1858]. 1 vol. in-fol. grand jésus. Faux titre, 1 feuillet; titre, 1 feuillet; table des matières, 1 feuillet; avis de l'éditeur, 1 feuillet; lettre à Moquin-Tandon, 4 pages; Clavis systematis et Conspectus generum, 6 pages; 55 planches coloriées renfermant 66 figures, avec le texte non paginé, 59 feuillets. (Livraisons i-xii, 1857, 1858.)

"La quatrième livraison de notre Iconographie venant de paraître, lorsque la mort a frappé son savant auteur. Il n'y avait donc que 29 planches de publiées; mais nous avions entre les mains 35 lithographies prêtes, dont plusieurs déjà coloriées, et tous les dessins originaux, approuvés par le Prince, qui avaient servi ou devaient servir de modèles au coloriage. Nous avions aussi les descriptions correspondantes, les unes imprimées, les autres en cours d'épreuves. . . . Nous nous sommes trouvé possesseur des éléments de plus de sept nouvelles livraisons. Nous les avons publiées successivement, dans l'espace de dix mois. . . . M. Moquin-Tandon a bien voulu revoir toutes les épreuves, texte et planches. Réunies aux quatre premières, ces livraisons composent un total de 55 planches, renfermant 66 figures. . . . Comme trois de nos planches renferment deux espèces, et que nous avons donné dans la seconde livraison la *Lettre à M. Moquin-Tandon*, et dans la sixième le *Clavis Systematis*, le *Conspectus generum* et le *Conspectus geographicus*, les figures se sont trouvées en avance sur les descriptions. Force a été d'ajouter, pour compléter l'ouvrage, une douzième livraison

## 1857-58. BONAPARTE, C. L.—Continued.

sans Planches. Le nombre des Pigeons figurés dans cette *Iconographie* s'élève donc à 58. . . . Nous ferons observer que les espèces publiées par le Prince Charles Bonaparte appartiennent principalement aux premiers groupes de l'ordre des Pigeons, et forment aussi des séries complètes, par exemple, celles des Treronés et des Ptilopés." (*AVIS de l'éditeur*, le 1<sup>er</sup> juillet 1858.)

Owing to these circumstances the work is in fact an unfinished one. It was announced to appear in 39 livraisons, of 150 plates (5 to a livraison). Only 12, however, were published—4 in 1857, and the remaining 8 from Sept., 1857, to July, 1858. The numbering of the plates is with reference to the whole series of 150, only 55 of which appeared; and is consequently not continuous. The 55 plates are accompanied by about as many sheets of letter-press. The following is a list of them (I cannot separate them in sets according to livraisons, nor give exact dates; but the first 20 appeared in 1857, livrs. 1-4, and the remainder in 1857 and 1858):

Pl. 1. *Phalacrotreron delalandi*; a, *P. abyssinnica*. 2. *P. crassirostris*. 3. *P. audirostris*; a, *P. calva*. 4. *Sphenocercus apicaudus*. 5. *S. cantillans*. 6. *Treron curvirostra*. 7. *T. aromatica*. 8. *T. nepalensis*. 8. *Crocopus viridifrons*. 11, fig. 1. *Osmotreron pompadora*; fig. 2. *O. malabarica*. 12. *O. malabarica*. 13. *O. vernans*. 14. *Ramphiculus occipitalis*. 15. *Lamprotreron porphyrea*. 16. *Trerotoma leclancheri*. 17. *Thouarsitreron leucocephala*. 18. *T. diadema*. 19. *Ptilopus purpuratus*. 20. *P. flavicollis*. 21. *P. swainsoni*. 22, fig. 1. *P. clementinae*; fig. 2. *P. mercuri*. 23. *P. roseicapillus*. 24, fig. 1. *P. ewingi*; fig. 2. *P. clementinae*. 25. *P. greyi*. 26. *P. marie*. 28. *Iotreron rividis*. 29, fig. 1. *Kurutreron oopa*; fig. 2. *K. chrysogaster*. 31. *Chrysena luteocircens*. 32. *Erythræna madagascariensis*. 33. *Serresius galvatus*. 34. *Globiceera myristicivora*. 35. *G. pacifica*. 36. *G. microcera*. 38. *G. tarrali*. 39. *G. rubricera*. 40. *G. sunderalli*. 42. *Carpophaga chalybura*. 45. *C. perspicillata*. 51. *Ptilocolpa griseipennis*. 57. *Palumbus torquatus*. 58. *P. eusotis*. 61. *Dendrotreron hudsoni*. 62. *Leucomelena norfolciensis*. 69. *Trocaza laurivora*. 70. *T. bourryi*. 75. *Columba rupestris*. 102. *Turtur isabellinus*. 116. *Osculatia sapphirina*. 119. *Leptoptila jamaicensis*. 121. *Talpocotia rufipennis*. 125, fig. 1. *Peristera cinerea*; fig. 2. *P. geoffroyi*. 126. *P. mondetoura*. 133. *Zenaidura macroura*. 134. *Z. hypoleuca*. 140. *Didunculus strigirostris*.

The livraisons in which these plates and their accompanying text appeared may be seen by the table of contents in the work. They were published not in the above order nor in any other; nor did the sheets of text always appear with the plates to which they respectively pertain. The text is very briefly descriptive of the subjects of the beautiful plates.

1857. BREHM, C. L. Die | Naturgeschichte und Zucht | der Tauben | oder vollständige Beschreibung aller europäischen wilden und zah- | men Taubenarten und ihrer Abänderungen, ihrer Wohnorte | und Sitten, ihrer Nahrung und Fortpflanzung, ihrer Be- | handlung und Pflege, ihres Nutzens und Schadens, ihrer | Feinde und Krankheiten. | — | Für Taubenzüchter und Ornithologen | von | Christian Ludwig Brehm, | [etc.] | — | Weimar, 1857. | Verlag und Druck von Bernh. Friedr. Voigt. 1 vol. 8vo. 1 p. l., pp. i-xii, 1-177, + 1½ ll. advts.

*Columbarum conspectus systematicus*, pp. 7-13. The main part of the work is a complete treatment of each species and variety of European and domesticated Pigeon. Many varietal names of Brehm's occur, some doubtless new here; but it is seldom desirable and never necessary to cite his useless synonyms.

1858. [EDITORIAL.] Unusual migration of Wild Pigeons [*Ectopistes migratorius*]. < *Canad. Nat. and Geol.*, iii, 1858, pp. 150, 151.
1866. WYMAN, J. [Account of the dissection of a young domestic pigeon.] < *Proc. Boston Soc. Nat. Hist.*, xi, 1866, pp. 24, 25.
1867. HILL, R. Note on *Geotrygon sylvatica*, Gosse. < *Proc. Acad. Nat. Sci. Phila.*, xix, 1867, pp. 130, 131.
- Habits: with suggested relation to *Didus*.
1867. NEWMAN, E. Notices of New Books. < *Zoologist*, 2d ser., ii, 1867, pp. 929-943.
- Review of Tegetmeier's 'Pigeons, their Structure, Habits and Varieties.'
1867. TEGETMEIER, W. B. Pigeons, their Structure, Habits and Varieties. By W. B. Tegetmeier, F. L. S. With Coloured Illustrations of the Varieties by Harrison Weir. London. Routledge. 1867. 8vo.
- Not seen. Cf. *Zoologist*, 2d ser., ii, 1867, pp. 929-943. The many domesticated breeds of *Columba livia* are very fully treated.
1868. HARRIS, E. D. The Structure, Flight and Habits of the different varieties of the Domesticated Pigeon. < *Proc. Boston Soc. Nat. Hist.*, xi, 1868, pp. 355-360.

1868. SCLATER, P. L., and SALVIN, O. Descriptions of New Species of Birds of the Families Dendrocolaptidæ, Strigidæ, and Columbidae. < *P. Z. S.*, xxxvi, 1863, pp. 53-60, pl. v, woodcut.  
The new Pigeons are described as *Leptoptila plumbeiceps* and *L. cerviniventris*, p. 59, and a synopsis of 8 spp. of the genus is given.
1868. VOIT, —. Beobachtungen nach Abtragung der Hemisphären des Grosshirns bei Tauben. < *Sitzungsab. Akad. Wissensch. München*, ii, 1868, pp. 105-108.  
Not seen.
1869. VOIT, —. Observations sur l'ablation des hémisphères cérébraux des pigeons. < *Institut*, No. 1828, 12 Jan., 1869; *Ann. Sc. Nat.*, 5<sup>e</sup> sér., xi, pp. 90-92.  
Not seen.
1871. SALVADORI, T. Nuove specie di Uccelli dei generi *Criniger*, *Picus* ed *Homoptila* Nov. Gen. < *Atti della R. Acad. delle Scienze di Torino*, vi, 1871, pp. 125-132.  
*Homoptila decipiens*, g. sp. n., p. 131, ex Brasiliâ.—Genus novum genere *Leptoptilæ* differt tantum remige prima apicem versus minime attenuata.
1872. ANON. Wild Pigeon [*Ectopistes migratorius*] roost in Maryland. < *Am. Sportsman*, ii, 1872, p. 42.  
From *Baltimore Gazette*, Oct. 11, 1872.
1872. BAIRD, S. F. Restoration of excised brain in pigeons. < *Harper's New Monthly Mag.*, xlv, 1872, p. 632.
1873. ANON. Carrier Pigeons < *Forest and Stream*, i, Aug. 14, 1873, p. 5.  
Use of these birds by newspapers.
1873. SANCHEZ, J., and VILLADA, M. M. Palomas viajeras [*Ectopistes migratorius*]. < *La Naturaleza*, ii, 1873, pp. 250-255.  
Nota sobre las que ultimamente han emigrado a México; emigracion, descripcion, costumbres. Con noticia por el Sr. Don Ant. del Castillo.
1873. SCHLEGEL, H. Aves Columbæ. < *Mus. Nat. Hist. Pays-Bas*, 10<sup>e</sup> livr., mars, 1863, pp. 1-180.  
This is one of the most extensive and elaborate monographs of the series. It treats of the Columbidae (including *Didunculus*) under the following genera: *Ptilopus*, 48 spp.; *Treron*, 24 spp.; *Columba*, 11 spp.; *Lepidoenas*, 6 spp.; *Stictoenas*, 7 spp.; *Janthoenas*, 7 spp.; *Chloroenas*, 8 spp.; *Carpophaga*, 32 spp.; *Macropygia*, 9 spp.; *Turtur*, 25 spp.; *Geopelia*, 7 spp.; *Peristera*, 22 spp.; *Chalcophaps*, 2 spp.; *Melopelia*, 2 spp.; *Phaps*, 7 spp.; *Henicophaps*, 1 sp.; *Phlegoenas*, 3 spp.; *Leptoptila*, 13 spp.; *Starnoenas*, 9 spp.; *Didunculus*, 1 sp.; *Goura*, 2 spp.; *Otidiphaps*, 1 sp.; *Caloenas*, 1 sp.  
*Ptilopus neglectus*, p. 7; *P. cinctus lettiensis*, p. 35. *Columba palumbus himalayana*, p. 66. *Chloroenas fallax*, p. 80. *Carpophaga geelvinkiana*, p. 86; *C. luctuosa*, p. 102. *Macropygia reinwardtii minor*, p. 106; *M. turtur*, p. 110; *Turtur neglectus*, p. 122; *T. fallax*, 124; *Peristera lansbergii*, p. 139, spp. nn.
1874. ANON. Carrier Pigeons [employed as news-transporters]. < *Am. Sportsman*, v, Nov. 14, 1874, p. 99.
1874. ANON. Pigeon-catching. < *Am. Sportsman*, v, Oct. 10, 1874, p. 23.  
Methods of netting *Ectopistes migratorius*; quoted from *Lewiston (Maine) Journal*.
1874. ANON. The Great Pigeon [*Ectopistes migratorius*] Roost of 1874. < *Am. Sportsman*, iv, 1874, p. 275.  
Quoted from *New York World*.
1874. "A. G. D." Passenger Pigeons [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 298.  
General discussion of breeding habits; and of decrease in numbers, supported by quotations and statistics.
1874. "F. P." Nesting of Wild Pigeons [*Ectopistes migratorius*, in Wisconsin]. < *Am. Sportsman*, iv, 1874, p. 171. See also p. 194.
1874. GARROD, A. H. On some Points in the Anatomy of the Columbæ. < *P. Z. S.*, xlii, 1874, pp. 249-259.  
On the number of rectrices, and presence or absence of the oil-gland, the cæca, and the ambiens muscle. Classification of the group on these points. *Pterocles* and *Syrnhaptes* are included among *Columbæ*.

1874. HEDDON, J. Will pigeons [*Ectopistes migratorius*] play out? < *Am. Sportsman*, iv, 1874, p. 362.  
Great diminution in numbers of *Ectopistes migratorius*.
1874. "H. K." The Wild Pigeon [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 387. See also pp. 171, 194, 243, 298, and 339.
1874. MOORE, J. Columbarium; | or, | The Pigeon-House: | being | an introduction | to a | Natural History | of | Tame Pigeons, | giving an | account of the several species known in England, | with the method of breeding them, their | distempers and cures. | — | [Quotation.] | — | By John Moore. | — | London: | Printed for J. Wilford, behind the Chapter-House in St. Paul's Church-Yard. | 1735. | — | Reprinted by Jos. M. Wade, | Fanciers' Journal Office, Philadelphia, 1874. 1 vol. 16mo. pp. i-x, 1-64 + 7 ll. advts., many cuts.  
"Moore's work on Pigeons was, no doubt, the first, and is really the most important, work ever written on this subject, . . . 'The work is out of print [very naturally—1735], and very scarce, only two or three copies are known to be in existence at the present time.'  
". . . in May, 1874, we began its publication in the columns of the *Fanciers' Journal*, which circumstance has created a demand for this reprint in book form.  
"The original work was not illustrated; and, in order to make it more valuable to young fanciers, we have embellished it with a series of illustrations by that well-known artist, Mr. J. W. Ludlow." (*Extracts from American Publisher's Preface*).  
There are many editions of the famous original, among them a literal reprint by Tegetmeier, 1879.
1874. LINCECUM, G. The Nesting of Wild Pigeons [*Ectopistes migratorius*]. < *Am. Sportsman*, iv, 1874, p. 194. See also pp. 171, 243, 298, 339, and 387.  
Description of food and breeding habits.
1874. "M. T." Passenger Pigeons [*Ectopistes migratorius*]. < *St. Nicholas Mag.*, i, 1874, p. 15.  
Migrations in Minnesota.
1874. SEARS, J. H. Breeding of Wild Pigeon [*Ectopistes migratorius*, in Essex County, Mass.]. < *Am. Sportsman*, iv, 1874, p. 155.
1875. ALIX, E. Garrod (A. H.): Sur quelques points de l'anatomie des Colombés. (Proceed. Zool. Soc. London, 1874, p. 249.) < *Gerr. Journ. de Zool.*, —, 1875, pp. ———.  
Résumé des observations de M. Garrod, insérées dans les *P. Z. S.*, 1874, pp. 249-259, *q. v.*
1875. ANON. A Pigeon [*Ectopistes migratorius*] Roost. < *Rod and Gun*, vi, Oct. 9, 1875, p. 27.
1875. CARLETON, J. F. The breeding habits of pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, iv, Aug. 5, 1875, p. 406.
1875. "G. D. B." The pigeon [*Ectopistes migratorius*] roost near Corning [N. Y.]. < *Forest and Stream*, iv, May 27, 1875, p. 252.
1876. ADAMS, J. W. Wild pigeons [*Ectopistes migratorius*, yet numerous] in Massachusetts. < *Forest and Stream*, vii, Sept. 28, 1876, p. 116. See pp. 104, 184.
1876. ANON. [W. M. TILESTON.] Protecting wild pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, vii, Oct. 26, 1876, p. 184. See p. 104.
1876. ANON. Homing Pigeons [exported from France to New York]. < *Rod and Gun*, viii, Aug. 19, 1876, p. 326.  
Reprinted from "L'Epervier."
1876. GUNN, C. W. The *Ectopistes migratoria*, Sw. Wild Pigeon. < *Oölogist*, ii, No. 4, 1876, p. 29, 30.
1876. [INGERSOLL, E.] The Protection of Wild Pigeons [*Ectopistes migratorius*]. < *Forest and Stream*, vii, Sept. 21, 1876, p. 104. See p. 184.  
Comments and statistics on the progressive destruction of this species.
1876. OWEN, T. M. Wild Pigeons [*Ectopistes migratorius*]. < *Rod and Gun*, viii, June 3, 1876, p. 148.  
Statistics as to capture of living and dead specimens of this species in Ohio and Michigan for shooting matches and market.



1876. REID, P. Pigeons [*Ectopistes migratorius*].—Food in Crop. < *Rod and Gun*, vii, Jan. 8, 1876, p. 227. See also p. 277.  
Explaining "rice" found in pigeon's stomachs, supposed by Audubon and others to prove enormous velocity of the bird's flight.
1876. STERLING, E. Passenger Pigeons [*Ectopistes migratorius*] and Rice. < *Rod and Gun*, vii, Jan. 29, 1876, p. 277.  
Reply to Reid, concerning "rice in crops", and velocity of flight. See p. 227.
1876. "TOM TRAMP." A pigeon [*Ectopistes migratorius*] roost. < *Rod and Gun*, viii, June 3, 1876, p. 149.  
Breeding of, and statistics of capture and decrease of this species in Illinois.
1877. COUES, E. *Melopelia leucoptera* in Colorado. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, p. 83.
1877. COUES, E. *Leptoptila albifrons*, a Pigeon new to the United States Fauna. < *Bull. Natl. Ornith. Club*, ii, No. 3, July, 1877, pp. 82, 83.  
Taken in Texas by G. B. Sennett. Soon afterward made type of a new genus, *Æhmoptila*, Coues, *Bull. U. S. Geol. Surv. Terr.*, iv, No. 1, 1878, p. 48 (= *Engyptila*, Sundev., *Tentamen*, 1872, p. 156.)
1877. ROWLEY, G. D. *Geotrygon costaricensis* (Lawrence). < *Rowl. Orn. Misc.*, iii, pt. xi, Nov., 1877, pp. 43-46, pl. lxxxvii.  
Copy of orig. descr. in *Ann. N. Y. Lyc.*, ix, 1868, p. 136, with a colored fig. of the bird, and notes by A. Boucard.
1878. FIROR, V. M. *Chamæopelia passerina*. < *Familiar Science and Fancier's Journ.*, n. s., v, Apr., 1878, p. 86.
1878. GRINNELL, G. B. The Ground Dove (*Chamæpeleia passerina*) in New York. < *Bull. Natl. Ornith. Club*, iii, No. 3, July, 1878, p. 147.  
In New York City, Oct., 1862; specimen identified by J. W. Audubon; now first recorded.
1878. MCL[ELLAN, I.] The Wild or Passenger Pigeon (*Columba* [*Ectopistes*] *migratoria*). < *Forest and Stream*, ix, Jan. 31, 1878, p. 488.
1878. OWEN, T. M. Among the Pigeons [*Ectopistes migratorius*, in Ohio]. < *Forest and Stream*, x, May 23, 1878, p. 297.
1878. ROWLEY, G. D. *Chlorænas subvinacea*. Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 75, 76, pl. xci.  
Copy of orig. descr. in *Ann. N. Y. Lyc. Nat. Hist.*, ix, Apr., 1868, p. 135, with colored plate, and a note from A. Boucard.
1878. ROWLEY, G. D. *Geotrygon rufiventris*, Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 77, 78, pl. xcii.  
Copy of orig. descr. in *Ann. Lyc. Nat. Hist. N. Y.*, xi, 1875, with a colored plate, and note by A. Boucard.
1878. ROWLEY, G. D. *Leptoptila cassini*, Lawrence. < *Rowl. Orn. Misc.*, iii, pt. xii, Jan., 1878, pp. 79, 80, pl. xciii.
1878. STERLING, E. [Acorns of the black-jack oak as] Food of the Wild Pigeon [*Ectopistes migratorius*]. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.
1879. KNAPP, H. Statement about the Wild Pigeon [*Ectopistes migratorius*]. < *Forest and Stream*, xii, Mar. 27, 1879, p. 146.  
Taken from some Central New York newspaper, either Buffalo or Rochester, I think.
1879. MCQUILLEN, J. H. Recovery of all the Faculties in a Pigeon from which four-fifths of the upper portion of the Cerebrum had been removed. < *Proc. Acad. Nat. Sci. Phila.*, Oct., 1878, (pub. 1879), pp. 342-346.
1879. THOMPSON, F. J. Incubation [of *Ectopistes migratorius*] under Difficulties. < *Forest and Stream*, xii, May 8, 1879, p. 265.  
Account of its breeding, in March, in an open air aviary in the Cincinnati Zoological Garden.

## Cracidæ.

1733. PERRAULT, C. Description anatomique de trois Cocqs Indiens [Cracidæ]. < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusqu. 1699, iii, pt. i, 1733, pp. 221-231, pl. 33, 34.  
*Mitu-poranga* of Maregrave.
1757. PERRAULT, C. Anatomische Beschreibung dreier indianischer Hühner [Cracidæ]. < *Abhandl. Königl. Französich Akad.*, i, 1757, pp. 259—.  
 Nicht mir selbst zugänglich: Titel aus Giebel. Uebers. d. *Mém. de l'Acad. Roy. Paris*, 1666-1699, iii, pt. i, 1733, pp. 221-231.
1830. WAGLER, J. Revisio generis Penelope. < *Oken's Isis*, Bd. xxiii, 1830, pp. 1109-1112.  
 Important: "may be regarded as the earliest scientific article (in a modern sense) upon this subject." Describes 18 spp., in three sections. A, B, C, corresponding exactly to the genera *Pipile*, *Penelope*, and *Ortalia*. "His excellent diagnoses materially assist us in identifying Spix's species." Seven new species are described, namely: *P. pileata* (Licht., M. B.), p. 1109; *P. purpurascens*, p. 1110; *P. albiventris*, *P. ruficeps*, p. 1111; *P. vetula*, *P. poliocephala*, *P. canicollis* (after Azara), p. 1112. All these are considered valid by Schater and Salvin.
1831. ANON. Revue du genre Penelope; par M. Wagler. < *Féruss. Bull.*, 2<sup>e</sup> sect., xxiv, 1831, pp. 367, 368.  
 Ici se trouve seulement la description générique, avec une énumération des espèces: tirée de l'*Isis*, 1830, pp. 1109-1112, q. v.
1831. YARRELL, W. [On the Tracheæ of Cracidæ.] < *P. Z. S.*, i, 1831, pp. 33, 34.  
*Crax yarrelli*, sp. n., p. 33, descr. nullâ. See Bennett, *Gard. and Menag. Zool. Soc.*, 1835, p. 227, where first described, and figured.
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1835. YARRELL, W. [Ueber die Luftrohre von Penelope Guan, Temm.] < *Oken's Isis*, 1835, p. 517.  
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1836. HERON, R. [On the breeding of Curassows (Cracidæ) in confinement at Stubton.] < *P. Z. S.*, iv, 1836, p. 1.
1836. HERON, R. [On the breeding of Curassows (Cracidæ) in confinement at Stubton.] < *Lond. and Edinb. Philos. Mag.*, ix, 1836, p. 141.  
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1838. HERON, R. Brüten von *Crax rubra* im letzten Sommer. < *Oken's Isis*, Bd. xxxi, 1838, p. 168.  
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1840. FREMBLY, J. [Notice of forwarding of Penelope pileata to the Society.] < *P. Z. S.*, viii, 1840, p. 131.
1842. CABOT, S., JR. [On the Paraqua Guan or Phasianus motmot.] < *Proc. Boston Soc. Nat. Hist.*, i, 1842, pp. 76, 77.
1846. HERON, R. [Note on the Genus Crax.] < *P. Z. S.*, xiv, 1846, p. 67.
1848. [JARDINE, W.] *Ortalia ruficauda*, Jardine. < *Jard. Contrib. Orn.*, 1848, pp. 16, 17, woodc. pl. iii.  
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14 spp. Diagnosis, synonymy, and habitat. *P. nigricapilla*, *P. lichtensteini*, p. 269; *P. sclateri*, *P. bridgesi*, p. 270, spp. nn.
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1860. SCLATER, P. L. [Exhibition of specimens of *Oreophasis derbianus*, from the Volcan de Fuego, Guatemala.] < *P. Z. S.*, xxviii, 1860, p. 184.
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1861. KRÜGER, A. [Ueber *Penelope* sp.] < *Zool. Gart.*, ii, 1861, p. 133.
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1862. BARTHÉLEMY-LAPOMMERAYE, —. Notice sur l'éducation du Hocco de la Guyane (*Crax globiceira*). < *Bull. Soc. Acclim.*, ix, 1862, pp. 861-871.
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1865. AQUARONE, P. Die Zucht der Hokkos [*Cracidae*]. < *Zool. Gart.*, vi, 1865, pp. 428-430.  
Auszüge aus d. *Bull. Soc. d'Acclim.*, ii, 1865, pp. 449-462.
1866. AQUARONE, P. Notice complémentaire sur l'éducation des Hoccos [*Cracidae*]. Lettre adressée à M. le Directeur du Jardin d'Acclimation du Bois de Boulogne. < *Bull. Soc. Acclim.*, 2<sup>e</sup> sér., iii, 1866, pp. 25-28.
1866. GRAY, G. R. On a New Species of *Penelope* [*greevii*], lately living in the Society's Gardens. < *P. Z. S.*, xxxiv, 1866, p. 206, pl. xxii.
1870. SCLATER, P. L. and SALVIN, O. Synopsis of the *Cracidae*. < *P. Z. S.*, xxxviii, 1870, pp. 504-544.

This is a very complete memoir, remaining to date the leading authority on the subject, as may be judged from the following synopsis:

§ 1. Introductory Remarks, p. 504: on the systematic position and relations of the family.

## 1870. SCLATER, P. L. and SALVIN, O.—Continued.

§2. Brief Chronological Account of the Writings of the Principal Authorities on the *Cracidae*, pp. 505-512: an analysis of the literature of the subject, noting principal articles in works of wider scope, as well as special papers. Of this I give the following condensation:

1766. LINN., *Syst. Nat.*, i. Five species: *Crax* (g. n.) *rubra*, *gloibicera*, ———, ———, and *Phasianus motmot*.  
 1780 (about). *Pl. Enl.* 86 = *Crax daubentonii*; 125 = *C. gloibicera* ♀; 78 = *Pauxi galeata*; 338 = *Penelope marail*.  
 1783. BODDAERT, *Tabl. P. E.* *Phasianus katraka* sp. n. = P. E. 146 = *Ortalida motmot*.  
 1784. JACQUIN, *Beyt. Gesch. Vög.* *Crax cumanensis*, pl. 19; *C. pipile*, pl. 11.  
 1786. MERREM,  *Ic. Av.*, fasc. 2dus, p. 40. *Crax*, L.: *Penelope*, g. n., type *P. jacupema*; *Ortalida*, g. n., type *Phas. motmot*, L. [On this name, see especially WHARTON, *Ibis*, 1879, p. 459.] *P. jacupema* and *P. leucolophos* figured.  
 1788. GÜELIN, *Syst. Nat.* *Penelope cristata*, *P. cumanensis*, *P. marail*, *P. satyra* (a *Cerionis*), *P. vociferans*, *Phasianus paraka*.  
 1790. LATHAM, *Ind. Orn.* *Crax galeata*, n. sp. = *C. pauxi*, L.  
 1811. HUMBOLDT, *Rec. Obs. Zool.*, i, p. 4. *Phasianus garrulus* sp. n. (= *Ortalida garrula*.)  
 1815. TEMM., *Pig. et Gall.*, vol. ii. *Pauxi*, g. n.: *Crax carunculata*, *Penelope obscura*, *P. superciliaris*, spp. nn.  
 1823. TEMM., *Pl. Col.*, livr. 26. *Ourax* = *Pauxi*; *O. mitu* figured.  
 1825. SPIN., *Av. Bras.*, vol. ii. *Crax fasciolata*, *urumutum*, *tomentosa*, *blumenbachii*, *globulosa*, *rubrirostris*, *tuberosa*, *Penelope jacuacu*, *jacuaca*, *jacutinga*, *jacupeba*, *jacupemba*, *guttata*, *araucuan*, described and figured.  
 1828. LESSON, *Man. Orn.*, vol. ii. *Penelope aburri*, *Ortalida goudoti*, *Crax albin*, spp. nn.  
 1830. WAGLER, *Revisio generis Penelope*. [See the paper in this Bibliography, ante, 1830.]  
 1831. LESSON, *Tr. Orn.* *Mitu*, g. n., p. 485.  
 1832. WAGLER, *Isis*. *Salpiza*, *Chamaepetes*, genn. nn.  
 1833. MAXIMILIAN, *Beit. Naturg. Bras.* *Crax rubrirostris*, *Penelope superciliaris*, *P. leucoptera*, *P. araucuan*.  
 1835. BENNETT, *Gard. and Menag. Zool. Soc.* Descr. and figs. of 6 spp.: *Crax yarrelli*, orig. descr., but see *P. Z. S.*, 1831, p. 33.  
 1841. STRICKL., *Ann. Nat. Hist.*, vii. *Mitu*, Less., changed to *Mitua*, p. 36.  
 1844. GRAY, *Gen. of B.*, iii. 34 + 3 spp. of *Cracidae*. *Oreophasis derbyanus*, g. sp. n., p. 485, pl. 121.  
 1844-46. TSCHUDI, *Fa. Peru.* *Crax temminckii*, *Penelope aspersa*, *P. rufiventris*, spp. nn.  
 1846. GRAY, J. E., *Knowsley Menag.* Four col'd pll. of *Penelope superciliaris*, *P. pileata*, *P. pipile*, *P. purpurascens*.  
 1847. JARDINE, *Ann. Nat. Hist.* *Ortalida ruficauda*, sp. n.  
 1850. FRASER, *P. Z. S.* *Crax alberti*, *Penelope nigra*, spp. nn.  
 1852. REICHENBACH, *Av. Syst. Nat.* *Penelops*, *Aburria*, genn. nn.  
 1856. BONAPARTE, *Compt. Rend.*, Tableaux Gallinacés. *Pipile* (g. n.) *argyrotes* *Ortalida montiguil*, spp. nn.  
 1856. BURMEISTER, *Syst. Uebers. Th. Bras.*, vol. iii. On *P. nothierax*, g. n., p. 347.  
 1858. PELZELN. *Penelope cujubi*, Natt. MS.  
 1858. BAIRD, *Birds N. Amer.* *Ortalida maccallii*, sp. n.  
 186-. REICHENBACH, *Vollst. Naturg. Tauben.* Four new spp. of *Crax*, one n. sp. of *Penelope* *Crax* divided into *Crax*, *Mituporanga* (g. n.), *Crossolaryngus* (g. n.), and *Sphaerolaryngus*; *Penelopsis* = *Penelops*, Reich., *Av. Syst. Nat.*; *Penelopina*, g. n.  
 1866. GRAY, *P. Z. S.* *Penelope greyyi*, sp. n.  
 1867. GRAY, *Gallinae Br. Mus.* *Penelope jacquini*, *Ortalida superciliaris*, *O. bronzina*, *O. plumbeiceps*, *O. wagleri*, *O. cinereiceps*, *Crax sclateri*, *C. daubentonii*, spp. nn.  
 1867. SALVIN, *P. Z. S.* *Chamaepetes unicolor*, sp. n.  
 1869. CARANIS, *J. f. O.* *Ortalida frantzii*, sp. n.

§3. Synopsis of the species of *Cracidae*, pp. 512-541. The 52 spp. known to the authors are divided into 3 subfamilies: 1) *Cracinae*, with 4 genera (*Crax*, *Nothocrax*, *Pauxi*, *Mitua*); 2) *Penelopinae*, with 7 genera (*Steganolina* (g. n., p. 521), *Penelope*, *Penelopina*, *Pipile*, *Aburria*, *Chamaepetes*, *Ortalida* (*O. rufierissa*, sp. n., p. 538)); 3) *Oreophaginae*, 1 g. sp.—The species are elaborately worked up, with copious synonymy, diagnosis, distribution, and criticism.

§4. Geographical Distribution of the *Cracidae*, pp. 541-544.

1871. BURMEISTER, [H.] [Extracts from a letter on Messrs. Sclater and Salvin's Synopsis of the *Cracidae* (*P. Z. S.*, 1870, p. 504).] < *P. Z. S.*, xxxix, 1871, pp. 701, 702  
 Relating chiefly to the geographical distribution of certain species.

1871. SCLATER, P. L. [On additions to the Society's Menagerie.] < *P. Z. S.*, xxxix, 1871, pp. 36, 37.

*Pipile cumanensis*.

1872. ANON. Les Marails. < *Bull. Soc. Acclim.*, 2<sup>e</sup> sér., ix, 1872, p. 692.
1873. SCLATER, P. L. [Notice of a paper on the Curassows (Cracidæ).] < *P. Z. S.*, xli, 1873, p. 557.
1874. SUMMERHAYES, W. [Letter on Curassows (Cracidæ) met with in Venezuela.] < *P. Z. S.*, xlii, 1874, pp. 419, 420.
1875. FUNCK, N. [Letter stating *Pauxis galeata* var. *rubra*, of Tr. Zool. Soc., ix, pl. 53, to be true *P. galeata* ♀.] < *P. Z. S.*, Nov. 16, 1875, p. 566.
1877. GADOW, H. Anatomische Beschreibung der Hocecohühner (Cracidæ Vig.). < *J. f. O.*, Apr., 1877, pp. 181-190.
1877. ROWLEY, G. D. [Note on the egg of *Pauxis galeata*.] < *P. Z. S.*, Nov. 6, 1877, p. 684.
1878. SCLATER, [P. L.] [Notice of supplementary Memoir on the Cracidæ.] < *P. Z. S.*, June 18, 1878, p. 656.  
To be pub. in *Trans. Zool. Soc.*
1879. REINHARDT, J. [Letter relating to *Mitua salvini*, Reinhardt, Vid. Medd. Nat. For. i Kjöbenh., Jan. 8, 1879.] < *P. Z. S.*, Feb. 4, 1879, pp. 108, 109.  
Remarks by Mr. Sclater agreeing to the validity of the curious species, and placing it next to *M. tomentosa*, with the differential characters.

Bull. v, 4—19

## Meleagrididæ.

1699. FLOYER, J. A Relation of two Monstrous Pigs, with the resemblance of Humane Faces, and two young Turkeys [*Meleagris gallopavo*] joined by the Breast. < *Philos. Trans.*, xxi, 1699, pp. 431-435.
1781. PENNANT, T. An Account of the Turkey [*Meleagris gallopavo*]. < *Philos. Trans.*, lxxi, pt. i, 1781, pp. 67-81, pl. iii.  
Very complete. The pl. represents a malformation of the leg.
1789. ÖDMANN, S. Om en Kalkontupp [*Meleagris gallopavo*], som utlegat Hönsågg. < *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, pp. 236-238.  
Anmärkning därvid af G. v. Carlson, *ibid.*, p. 239.
1789. CARLSON, G. v. Anmärkning [om en Kalkontupp (*Meleagris gallopavo*), som utlegat Hönsågg]. < *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, p. 239.
1791. BARTRAM, W. [The Wild Turkey of the United States binomially named *Meleagris occidentalis* at p. 83, *M. americanus* at p. 290 bis.] < *Trav. in Fla.*, etc., orig. ed., 1791, pp. 83 and 290 bis.  
Though not properly citable as a separate article, I introduce this title to give the reference to the original names and descriptions of the bird—the name *M. gallopavo* L. being based upon the domestic race, subsequently renamed *M. mexicana* by Gould.
1799. ÖDMANN, [S.] Remarkable Instance of a Turkey Cock [*Meleagris gallopavo*] hatching Eggs. < *Tilloch's Philos. Mag.*, iii, 1799, pp. 309, 310.  
Af *Kongl. Vetensk.-Acad. Nya Handl.*, x, 1789, pp. 236-238.
1805. [BARTON, B. S.] [On the occurrence of two distinct species of *Meleagris* in North America.] < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 162, 163.  
Referring to a memoir read before the Amer. Philos. Soc., in which the author shows that there are two distinct species of *Meleagris*—one, the common domesticated Turkey, *M. gallopavo* of Linnaeus, "which was altogether unknown in the countries of the old world before the discovery of America"; the other, "the common wild Turkey of the United States," to which the author of the memoir gives the name of *Meleagris palawa*, sp. n. After Bartram's notice of 1791, Barton's is the earliest to decide upon the existence of two species.
1805. [BARTON, B. S.] [On the food of the common wild Turkey of the United States, *Meleagris palawa*.] < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 163, 164.
1815. CLINTON, DE WITT. An Introductory Discourse delivered on the 4th of May, 1814. < *Trans. Lit. and Philos. Soc. New York*, i, 1815, pp. 21-184. > Note 8, pp. 125-128.  
Note 8, appended to the discourse, treats of the origin of the domestic Turkey, *Meleagris gallopavo*.
1820. CUVIER, G. Description d'une nouvelle espèce de dindon de la baie de Honduras. (*Meleagris ocellata* Cuv.) < *Mém. du Mus. d'Hist. Nat.*, vi, 1820, pp. 1-4, pl. i.  
La notice de cette espèce se trouve reproduite dans les *Ann. Génér. Sc. Phys.*, vii, 1820, pp. 145, 146; Brugnatelli, *Giorn. di Fis.*, iv, Dec. 2, 1821, p. 164.
1826. BONAPARTE, C. L. Ueber den wilden Truthahn [*Meleagris americana*]. < *Froberg's Notizen*, xiii, No. 275, 1826, pp. 165-170.  
Nicht mir selbst zugänglich: Titel aus Carus and Engelmann.—Wahrscheinlich einer Auszug aus dessen *Amer. Ornith.*
1832. AXON. Turkeys [*Meleagris gallopavo*] eat Caterpillars which feed on Tobacco; and Hogs eat the poisonous Root of Cassava (*Janipha manihot*). < *London's Mag. Nat. Hist.*, v, 1832, pp. 472, 473.
1836. HILDRETH, S. P. [Wild Turkeys (*Meleagris americana*) in the Kanawha Valley, Virginia.] < *Sillim. Am. Journ. Sci.*, xxix, 1836, p. 85.

1837. OWEN, RICHARD. [Dissection of the head of the Common Turkey (*Meleagris gallopavo*).] < *P. Z. S.*, v, 1837, pp. 34, 35.  
With that of *Cathartes aura*.
1839. OWEN, RICHARD. [Gernehsnerven des Truthuhns (*Meleagris gallopavo*).] < *Oken's Isis*, Bd. xxxii, 1839, p. 144.  
Auszug aus d. *P. Z. S.*, v, 1837, pp. 34, 35.
1842. CABOT, S., JR. [On *Meleagris ocellata*.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, pp. 73, 74.
1842. CABOT, S., JR. [Remarks on *Meleagris gallopavo*, etc.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1842, pp. 80, 81.
1842. CABOT, S., JR. Observations on the characters and habits of the Ocellated Turkey, (*Meleagris ocellata*, Cuv.) < *Journ. Bost. Soc. Nat. Hist.*, iv, pt. ii, 1842, pp. 246-251.
1844. GÉRARD, —. Notice sur les Dindons [*Meleagris gallopavo*]. Paris. 1844. 8vo. pp. 12.  
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1848. FISHER, W. R. On the supposed Occurrence of Turkeys' [*Meleagris gallopavo*] Bones at Lough Gôr. < *Zoologist*, vi, 1848, pp. 2064, 2065.
1849. CHEVASSU, F. Nouvel art d'élever, de multiplier et d'engraisser les Dindons [*Meleagris gallopavo*], contenant . . . Paris. Tissot. 1849. 18mo. pp. 36.  
Pas vu moi-même: le titre tiré de Carus & Engelmann.
1856. GOULD, J. On a new Turkey, *Meleagris mexicana*. < *P. Z. S.*, xxiv, 1856, pp. 61-63.  
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1856. GOULD, J. A new species of Turkey [*Meleagris mexicana*] from Mexico. < *Am. Journ. Sci.*, xxii, 1856, p. 139.  
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1856. [GOULD, J.] A new Species of Turkey [*Meleagris mexicana*] from Mexico. < *Edinb. New. Philos. Journ.*, n. s., iv, 1856, pp. 371, 372.  
From *Am. Journ. Sci.*, xxii, July, 1856, p. 139; this from *P. Z. S.*, 1856, pp. 61-63.
1857. BRYANT, H. [On the supposed new species of Turkey (*Meleagris mexicana*) recently described by Mr. Gould.] < *Proc. Bost. Soc. Nat. Hist.*, vi, 1857, pp. 158, 159.
1857. [FROST, J.] Der Indianer und der wilde Truthahn [*Meleagris americana*]. < *Interessante Abenteuer unter den Indianern*, n. s. w., Phila., 1857, pp. 251-254.  
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1857. GOULD, J. On a new Turkey, *Meleagris mexicana*. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 107-110.  
From *P. Z. S.*, Apr. 8, 1856, pp. 61-63.
1857. LE CONTE, J. Observations on the Wild Turkey, or *Gallapavo sylvestris*, of Ray. < *Proc. Acad. Nat. Sci. Phila.*, ix, 1857, pp. 179-181.  
Distinction between wild and tame Turkeys in habits and physical characters.
1860. SCHMIDT, MAX. Nachrichten aus dem Zoologischen Garten [über *Meleagris gallopavo*]. < *Zool. Gart.*, i, 1860, pp. 87, 88.
1861. SCLATER, P. L. Note on the Ocellated Turkey [*Meleagris ocellata*] of Honduras. < *P. Z. S.*, xxix, 1861, pp. 402, 403, pl. xl.
1863. OEFELE, —, v. Zweckmässige Fütterung und Haltung von Truthühnern [*Meleagris gallopavo*]. < *Zool. Gart.*, iv, 1863, pp. 169-172.
1863. SACC, Dr. Sur le Dindon (*Meleagris gallopavo*). < *Bull. Soc. Acclim.*, x, 1863, pp. 663- —.

1867. BAIRD, S. F. The Origin of the Domestic Turkey [*Meleagris gallopavo*]. < *Report U. S. Agric. Dept. for 1866, 1867*, pp. 288-290.

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1868. HOYNINGEN-HUENE, A. Notiz über *Meleagris gallopavo*. < *J. f. O.*, xvi, 1868, p. 358.

Lebensweise.

1869. D[ELONDRE], A. A. Le Dindon huppé (Crested Turkey). < *Bull. Soc. Acclim.*, 2<sup>e</sup> sér., vi, 1869, pp. 727, 728.

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1869. GUNN, T. E. Vitality of a Turkey [*Meleagris gallopavo*]. < *Zoologist*, 2d ser., iv, 1869, p. 1722.

1870. ROGER, E. Reproduction des Dindons Sauvages d'Amérique en liberté. Lettre adressée à M. Geoffroy Saint-Hilaire. < *Bull. Soc. Acclim.*, 2<sup>e</sup> sér., vii, 1870, pp. 264-266.

- 18--72. ELLIOT, D. G. A | Monograph | of the | Phasianidæ | or | Family of the Pheasants. | By | Daniel Giraud Elliot, | [etc., 7 lines.] | — | Volume I [II]. | — | [18--] 1872: | published by the author, 27 West Thirty-third Street, New York. | [Taylor and Francis, Red Lion Court, London, imp. text. H. and N. Hanhart, imp. plates. J. Wolf, del. J. Smit, lith. J. D. White, pinx.] Vol. I, 18—, Title, 1 leaf. Dedication, 1 leaf. List subscribers, preface, introduction, explanation, list of plates, pp. i-xl. Plates i-xxix, xxix bis, xxx-xxxii, with one or more unpagged sheets of letter-press to each. Vol. II, 18—, Title, 1 leaf. List of plates, 1 leaf. Plates i-xiii, xiii bis, xiv-xlvii, with one or more unpagged sheets of letter-press to each. (A few additional sheets of subfamily characters in both vols.) Plates i, ii, plain: the rest colored. 81 plates in all.

The work is not paged nor are the plates numbered: the only clue to the plates is the printed list. This may be conceded to be the most superb, as it is also the most extensive, of Mr. Elliot's great Iconographies. Among the birds represented are some of the most gorgeous objects in ornithology. The plates of *Pavo muticus* and *Meleagris ocellata* are incomparable except with some of the other splendid effects of Wolf's art.

The Introduction goes quite fully into the history of the family, their geographical distribution, etc.

Vol. I.—Plates 1. 2. Generic details. 3. *Pavo cristatus*. 4. *P. nigripennis*. 5. *P. muticus*. 6. *Polyplectron thibetianum*. 7. *P. bicalcaratum*. 8. *P. germaini*. 9. *P. emphanum*. 10. *P. chalcuurum*. 11. *Argus giganteus*. 12. *A. grayi*. 13. Feathers of *A. ocellatus* and *A. bipunctatus*. 14. *Crossoptilon thibetianum*. 15. *C. drouyni*. 16. *C. mantchuricum*. 17. *C. auritum*. 18. *Lophophorus impeyanus*. 19. *L. lhuysii*. 20. *L. selateri*. 21. *Tetraophasis obscurus*. 22. *Cerionis satyra*. 23. *C. melanocephala*. 24. *C. temminckii*. 25. *C. caboti*. 26. *C. blythii*. 27. *Puerasia macrolopha*. 28. *P. duracelli*. 29. *P. xanthospila*. 29 bis. *C. darwini*. 30. *Meleagris gallopavo*. 31. *M. mexicana*. 32. *M. ocellata*.

Vol. II.—Pl. 1. *Phasianus shawi*. 2. *P. colchicus*. 3. *P. insignis*. 4. *P. mongolicus*. 5. *P. torquatus*. 6. *P. formosanus*. 7. *P. decollatus*. 8. *P. elagans*. 9. *P. versicolor*. 10. *P. wallichii*. 11. *P. reevesii*. 12. *P. soemmerringi*. 13. *P. soemmerringi* var. *scintillans*. 13 bis. *Calophapsis ellioti*. 14. *Thaumalea amherstiae*. 15. *T. picta*. 16. *T. obscura*. 17. Hybrid. 18. *Euplocamus albo cristatus*. 19. *E. melanotus*. 20. *E. horsfieldi*. 21. *E. nycthemerus*. 22. *E. andersoni*. 23. *E. lineatus*. 24. *E. praelatus*. 25. *E. swinhoei*. 26. *E. ignitus*. 27. *E. nobilis*. 28. *E. erythrophthalmus*. 29. *E. pyronotus*. 30. *Ithaginis eruentis*. 31. *I. geoffroyi*. 32. *Gallus ferrugineus*. 33. *G. lafayetii*. 34. *G. sonnerati*. 35. *G. varius*. 36. *Phasidus niger*. 37. *Agelastes meleagrides*. 38. *Acryllium vulturinum*. 39. *Numida meleagris*. 40. *N. coronata*. 41. *N. mitrata*. 42. *N. ptilorhyncha*. 43. *N. granti*. 44. *N. verreauxi*. 45. *N. cristata*. 46. *N. pucherani*. 47. *N. plumifera*.

It thus appears that the *Phasianidæ* of this author include the African family *Numididæ*, and the American *Meleagrididæ*.

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1875. ANON. [Der Truthahn (*Meleagris gallopavo*) als jagdbares Wild.] < *Aus der Natur*, lxvi, oder n. F., liv, 1875, p. 267.
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1875. HUBBARD, J. H. Wild Turkeys [*Meleagris americana*] Playing Out. < *Rod and Gun*, vi, Apr. 24, 1874, p. 58.  
Statistics of destruction of these birds in Michigan.
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1876. [STOCKWELL, G. A.] Game of Michigan. Wild Turkey.—*Meleagris gallipavo* [i. e., *americana*], *Meleagris mexicana*. < *Rod and Gun*, ix, Nov. 4, 1876, p. 65.  
Writing under the pseudonym "ARCHER," this person ran a long course of literary imposture, chiefly on the game birds of America, in the columns of the *Chicago Field*, the *London Field*, and doubtless elsewhere, until his gross plagiaries were at length exposed. None of his writings that have come under my observation have the slightest claim to be regarded. (See COUES, *Chicago Field*, Nov. 29, 1879, and "ARCHER," *ibid.*, Dec. 20, 1879.
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1877. ANON. [EDITORIAL.] Domesticated Wild Turkeys [*Meleagris americana*]. < *Forest and Stream*, ix, Dec. 13, 1877, p. 366.
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Pas vue moi-même—le titre tiré de Carus et Engelmann.
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- 1864-65. ELLIOT, D. G. A | Monograph of the Tetraoninae, | or | Family of the Grouse. | By | Daniel Giraud Elliot, | [etc., 4 lines.] | New York: | published by the Author, No. 27 West Thirty-third Street. [1864] 1865. | 1 vol. imp. folio. Title, dedication, list of subscribers, preface, each 1 leaf; introduction, 4 leaves; explanations, list of plates, each 1 leaf; 27 unnumbered colored plates, each with 1 sheet of letter-press, unpagéd. Pub. in 5 parts.
- The second of the author's well-known series of magnificent monographs, succeeding that of the *Pittidæ*. The work is modelled after the plan of Mr. Gould's various folio publications. It originally appeared in 5 parts—parts i, ii, 1864; iii-v, 1865. Twenty-three species are treated, under 10 genera. The apparently new names proposed were previously established by the author in the *Proc. Phila. Acad.*, 1864, p. 23. Pl. 1, *Bonasa umbellus*; 2, *B. umbelloides*; 3, *B. sabinei*; 4, *B. sylvestris*; 5, *Tetrao urogallus*; 6, *T. urogalloides*; 7, *Dendragapus obscurus*; 8, *D. richardsonii*; 9, *Canace canadensis*; 10, *C. franklinii*; 11, *Falcapennis hartlaubi*; 12, *Lyrurus tetrix*; 13, *Centrocercus urophasianus*; 14, *Pediacetes* (sic—lege *Pediacetes*) *columbianus*; 15, *P. phasianellus*; 16, *Cupidonia cupido*; 17, 18, *Lagopus albus*; 19, *L. scoticus*; 20, *L. persicus*; 21, 22, *L. mutus*; 23, *L. rupestris*; 24, *L. hyperboreus*; 25, *L. leucurus*; 26, 27 (marked i, ii), eggs of 17 species. The plates of Part I were Nos. 13, 7, 14, 10, 2, 25; of Pt. II, 3, 9, 12, 15, 4, 19; Pt. III, 16, 5, 8, 20, 17, 18; Parts IV and V, published together, contained the rest. The above numeration of the plates is according to a sheet of letter-press introduced with the completion of the work, in 1865; the sequence indicated being different from that in which they first appeared. The title is quoted from the made-up vol. Cf. *Ibis*, 1865, pp. 228, 345; 1866, pp. 213, 214; *Zool. Rec.* for 1864 and for 1865.
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The wings beat the air, but neither the body of the bird, nor the log, nor each other.  
As may be seen from many of the foregoing titles, there was for a time considerable discussion in the sporting papers and elsewhere, respecting the mechanics and acoustics of this remarkable operation; and the same subject has often been taken up in general works which have occasion to treat of the Ruffed Grouse. Opinions have been advanced: 1) That the outsides of the wings strike each other over the bird's back; 2) that the insides of the wings strike the bird's body; 3) that the wings strike the log or other hard object on which the bird stands; 4) that the wings beat the air with such rapidity as to produce the vibrations in which the "drumming" sound consists. It would appear to be impossible that the peculiar sound should be produced in any other than one of these four ways; and the balance of evidence is in favor of the last named, as held by the present writer and others.

## Perdiciidæ.

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7 gen., 35 spp., 32 of which are figured. Pl. I, *Ortyx virginianus*; II, *O. cubanensis*; III, *O. castaneus*; IV, *O. nigrogularis*; V, *O. pectoralis*; VI, *O. capucinos*; VII, *Cyrtonyx* (n. g., p. 14) *massena*; VIII, *C. ocellatus*; IX, *Eupsychortyx* (n. g., p. 15) *cristatus*; X, *E. leucotis*; XI, *E. sonnini*; (*E. affinis* not fig.); XII, *E. parvieristatus*; XIII, *E. leucopogon*; XIV, *Philortyx* (n. g., p. 17) *fasciatus*; XV, *Callipepla* *pieta*; XVI, *C. californica*; XVII, *C. gambeli*; XVIII, *O. elegans*; (*O. douglassi* not fig.); XIX, *C. squamata*; XX, *Dendroortyx* (n. g., p. 20) *micurus*; XXI, *D. leucophrys*; XXII, *D. barbatus* ("Licht. Mus. B."); XXIII, *Odontophorus guianensis*; (*O. marmoratus* not fig.); XXIV, *O. pachyrhynchus*; XXV, *O. speciosus*; XXVI, *O. dentatus*; XXVII, *O. stellatus*; XXVIII, *O. guttatus*; XXIX, *O. balliviani*; XXX, *O. columbianus*; XXXI, *O. strophium*; XXXII, *O. lineolatus*.
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Concerning vernacular name of *Ortyx virginiana*.
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1874. ANON. [EDITORIAL.] Quail [*Ortyx virginiana*] Bred and Breeding in the city. < *Forest and Stream*, ii, June 18, 1874, p. 292.
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The negative maintained.
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With respect to *Lophortyx californica*.
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1874. TREETON, J. [Escaped] Virginian Quail [*Ortyx virginiana*] in Northamptonshire. < *Zoologist*, 2d ser., ix, 1874, p. 3835.
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1875. EVERTS, M. G. An Open Letter [concerning the Migratory Quail (*Coturnix communis*) of Europe, and the feasibility of its introduction into the United States]. < *Am. Sportsman*, v, Jan. 23, 1875, p. 264.
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Habits, etc., in Europe; with reference to its introduction into America.
1875. H[OLBERTON], W. C. Quail [*Ortyx virginiana*, in winter]. < *Forest and Stream*, iv, Feb. 18, 1875, p. 24.
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Editorial note appended, stating it to be abnormal plumage of *Ortyx virginiana*.
1875. "J. K. O." California Quail [*Lophortyx californica*, can probably be introduced into Eastern States]. < *Rod and Gun*, vi, June 19, 1875, p. 187.
1875. "PROTECTOR." How to raise quail [*Ortyx virginiana*]. < *Forest and Stream*, iii, Jan. 7, 1875, p. 345, 4 cuts.
1875. "RECAPPER." [T. O. ABBOTT.] Protect the American Quail [*Ortyx virginiana*]. < *Am. Sportsman*, v, Mar. 13, 1875, p. 378. See also p. 346.
1875. "T. C. A." Protect the American Quail [*Ortyx virginiana*]. < *Am. Sportsman*, v, Feb. 20, 1875, p. 346. See also p. 378.



1875. "WAHKONZA." Dearth of Quail [*Ortyx virginiana*]. < *Am. Sportsman*, v, Mar. 20, 1875, p. 391.
1876. "ALPHA." The Quail [*Ortyx virginiana*] Question. < *Rod and Gun*, viii, Apr. 29, 1876, p. 67.  
Scent concealed by crouching bird.
1876. ANON. Migratory Quail [importation of *Coturnix communis* into the United States]. < *Forest and Stream*, vi, Mar. 30, 1876, p. 115.
1876. ANON. The Migration of the quail [*Coturnix communis*, at Malta]. < *Rod and Gun*, viii, July 8, 1876, p. 231.  
Quoted from London "Times."
1876. ANON. [HALLOCK, C.] [Success in] Taming quail [*Ortyx virginiana*]. < *Forest and Stream*, vii, Oct. 5, 1876, p. 137.
1876. ———. Quail [*Ortyx virginiana*], etc. < *Rod and Gun*, viii, Apr. 15, 1876, p. 34.  
Several letters upon the question of their withholding scent.
1876. "ARKANSAS." Quail [*Ortyx virginiana*, migratory or not?] < *Rod and Gun*, vii, Feb. 12, 1876, p. 307.
1876. BREWSTER, W. Can quail [*Ortyx virginiana*] withhold their scent? < *Rod and Gun*, vii, Feb. 26, 1876, p. 344.  
Considers this power possessed by certain individual birds—not necessarily by all of certain bevs.
1876. "C. F. W. B." Do Quail [*Ortyx virginiana*, withhold scent?], etc. < *Rod and Gun*, viii, May 13, 1876, p. 99.  
Views of German sportsmen.
1876. "CORDUROY", and OTHERS. Can Quail [*Ortyx virginiana*] Withhold Their Scent? < *Rod and Gun*, vii, Mar. 25, 1876, p. 402.  
"CORDUROY" denies the power, and thinks concealment and the state of the weather furnish an explanation. BLUNT, GEORGE W., says No; scent naturally does not leave the bird while it remains quiet. "PERDIX CHICAGOENSIS" affirms it, as a conscious act by the bird, which can control the escape of scent from its skin at certain times.
1876. COUES, [E.] Dr. Coues upon Quail, etc. < *Rod and Gun*, viii, Apr. 1, 1876, p. 9.  
Cannot voluntarily withhold scent; that is to say, by any act of conscious volition. But certain actions of the birds, without design, result in the retention of the effluvium—which may also be favored or hindered by certain surroundings, as state of the atmosphere.
1876. "HARRY." In the Woods. < *Rod and Gun*, vii, Jan. 8, 1876, p. 226.  
Comments upon article "Bob-white" in *Harper's New Monthly Magazine* (xxxix, 1869, pp. 505-512, figs. 1-6), and additional notes on *Ortyx virginiana*.
1876. [INGERSOLL, E.] Red-legged Partridges [imported into the United States]. < *Forest and Stream*, v, Feb. 3, 1876, p. 404.
1876. LINDEN, C. The Scent of Birds [*Ortyx virginiana*]. < *Rod and Gun*, viii, Apr. 1, 1876, p. 6.  
Discussion of the subject of withholding scent by quail.
1876. LOUDON, F. Can Quail [*Ortyx virginiana*] withhold their Scent? < *Rod and Gun*, vii, Feb. 23, 1876, p. 339.  
Believes they can.
1876. "OLD GUNNER." Quail [*Ortyx virginiana*], Guns, etc. < *Rod and Gun*, vii, Feb. 26, 1876, p. 338.  
Quail do at times withhold their scent; and certain bevs are marked by peculiar habits.
1876. "READER." Quails [*Ortyx virginiana*] Withholding Their Scent. < *Rod and Gun*, vii, Mar. 11, 1876, p. 371.  
Bird retains odor upon its feet by covering them the instant it alights so closely that air cannot escape from beneath the feathers; certain bevs inherit this particularly; and the practice is specially observable in those bevs most assailed by hawks.

1876. "BOB WHITE." Quail [*Ortyx virginiana*] Withholding Scent. < *Rod and Gun*, vii, Mar. 11, 1876, p. 371.  
Facts showing its improbability.
1876. "RECAPPER." [T. C. ABBOTT.] Can quail [*Ortyx virginiana*] withhold their scent? < *Rod and Gun*, vii, Feb. 12, 1876, p. 312.  
Believes it is possible, and voluntary, but a peculiarity of some beves more than of others. This gave rise to much discussion, for which see pages 338, 339, 344, 370, 371, 386, 402, 496; *ibid.*, vii, pp. 2, 6, 9, 34, 67, 99, 134, and the general conclusion reached was, that no voluntary retention of scent was possible; but that the quiet or activity, state of mind and age of the bird—varying with different beves—as well as atmospheric influences, affected the condition of the scent to such an extent as sometimes to almost wholly obliterate it.
1876. "RED-WING." [A. I. HUYLER.] Quails [*Ortyx virginiana*] eat Skunk-cabbage [*Symplocarpus foetidus*] seeds. < *Forest and Stream*, vi, Apr. 6, 1876, p. 133.
1876. SALVIN, O. On two additional Species of Central-American Odontophorinæ. < *Ibis*, 3d ser., vi, July, 1876, pp. 379, 380.  
*Eupsychortyx leucotis*, Gould, P. Z. S., 1843, p. 133, and *Odontophorus cinetus*, sp. n., p. 379.
1876. "SPY." Can Quail [*Ortyx virginiana*] Withhold Their Scent. < *Rod and Gun*, vii, Feb. 26, 1876, p. 338.  
Can withhold scent voluntarily, and do so when frightened. See p. 312.
1876. TAGGART, D. Quail [*Ortyx virginiana*] Raising. < *Forest and Stream*, vii, Oct. 26, 1876, p. 179.  
Reprinted from "Fanciers' Journal".
1876. [TILESTON, W. M.] Quail [*Ortyx virginiana*] Shooting. < *Forest and Stream*, vii, Nov. 16, 1876, p. 232.  
Habits of *Ortyx virginiana* from a sportsman's point of view.
1876. "TONIC." [?M. M. BENSCHOTER.] Can Quail [*Ortyx virginiana*] Withhold their Scent? < *Rod and Gun*, vii, Mar. 11, 1876, p. 370.  
Answers in the negative, and supposes atmospheric conditions and other circumstances to explain alleged retention.
1876. "T. UMBELLUS." Do quail [*Ortyx virginiana*, withhold their scent?] etc. < *Rod and Gun*, viii, May 27, 1876, p. 134.
1876. "VIRGINIA," and OTHERS. Can Quail [*Ortyx virginiana*] Withhold Their Scent? < *Rod and Gun*, vii, Mar. 18, 1876, p. 386.  
"VIRGINIA" denies that a dog's nose can be "so saturated with scent as that new birds are not perceived"; thinks odor of pine needles disguises birds' scent, but doubts whether it can be retained. "REX" considers that adult birds can withhold scent, by compressing their feathers into an air-tight envelope of the body, through which no effluvium can pass from the body. "RIPPLE" denies the power, and argues the case circumstantially at length. "NORTHWEST" considers that the birds that escape the dog would all be found after a few moments. "DRY LAND" denies that they can withhold scent voluntarily, but that hiding and other circumstances account for the retention.
1876. "WOLVERINE." Powder, Quail and McLellan. < *Rod and Gun*, vii, Mar. 25, 1876, p. 406.  
Remarks upon withholding of scent, and "reasoning powers" of *Ortyx virginiana*.
1876. ANON. [EDITORIAL.] [Successful acclimatation of *Ortyx virginiana* in Nevada.] < *Rod and Gun*, vii, Mar. 25, 1876, p. 407.
1876. YOUNGS, J. E. A pet quail [*Ortyx virginiana*] in New York [for nine years]. < *Forest and Stream*, vii, Oct. 19, 1876, p. 164.
1876. "YUBA DAM." Quail [*Ortyx virginiana*] Withholding Scent. < *Rod and Gun*, Apr. 1, 1876, p. 2.  
If they do appear to withhold scent, it is owing to atmospheric conditions and density of cover.
1877. ALLIN, E. Treatment of Quail [*Ortyx virginiana*] in Confinement. < *Forest and Stream*, viii, Feb. 15, 1877, p. 21.

1877. ANON. An Albino Quail [*Ortyx virginiana*]. < *Forest and Stream*, ix, Dec. 20, 1877, p. 381.  
From "Bucks County Gazette".
1877. ANON. Migrations of Quails [*Ortyx virginiana*]. < *The Country*, i, Dec. 15, 1877, p. 91.  
Letter condensed from "Scientific American" concerning inability of this species to fly across the Mississippi river near Natchez.
1877. ANON. Migratory Quails [*Coturnix communis*] for Vermont. < *Forest and Stream*, viii, June 28, 1877, p. 341.  
Account from Rutland (Vt.) "Herald" of arrival of Quail from Sicily, to be acclimatized by the Hon. M. G. Everts; and remarks on breeding native Quail in this country from the Nashville (Tenn.) "Rural Sun."
1877. ———. Quail [*Coturnix communis*] at Sea. < *Forest and Stream*, ix, Nov. 22, 1877, p. 306. See pp. 327, 345.  
Letters concerning their occurrence on Atlantic Coast.
1877. ———. Those Migratory quail [*Coturnix communis*]. < *Forest and Stream*, ix, Dec. 6, 1877, p. 345. See pp. 306, 327, 350, 397.  
Letters from M. G. Everts, W. Hapgood, and "Staunch", with editorial remarks, concerning their colonization in Vermont.
1877. COUES, E. Quail [*Coturnix communis*] at Sea. < *Forest and Stream*, ix, Nov. 29, 1877, p. 327.  
Information wanted concerning Quail mentioned on p. 306; distinctions between European and American "Quail."
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Of *Otididæ* are described 18 spp., all referred to the single genus *Otis*.  
Of *Glareola* are treated 5 spp., and of *Cursorius* 7 spp.  
*Streptilas* with 3 spp. and *Hæmatopus* with 6 spp.  
The greater part of the memoir is of course devoted to the charadrian group, of which are described 7 spp. of *Œdienemus*, 21 of *Charadrius*, 4 of *Morinellus*, 3 of *Pluvialis*, 13 of *Vanellus*, and 9 of *Lobivanellus*.  
The whole group is represented by a total of 750 specimens in the Leyden Museum.
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1867. SHORTO, J., JR. Golden and Green Plovers (see *Zool. S. S.* 690). < *Zoologist*, 2d ser., ii, 1867, p. 759.
1867. STUBBS, C. E. Lapwings [*Vanellus cristatus*] at Henley-on-Thames. < *Zoologist*, 2d ser., ii, 1867, p. 829.
1868. BLAKE-KNOX, H. Thiekkneed Plover [*Œdienemus crepitans*] in the County of Dublin. < *Zoologist*, 2d ser., iii, 1868, p. 1134.
1868. RODD, E. H. Occurrence of the Common Dotterel [*Endromias morinellus*] at the Lizard. < *Zoologist*, 2d ser., iii, 1868, p. 1423.
1869. CORDEAUX, J. On the Variation in Colour of the Axillary Plume of the Golden Plover [*Charadrius pluvialis*]. < *Zoologist*, 2d ser., iv, 1869, pp. 1601, 1602.
1869. HARTING, J. E. [Exhibition of a skin of *Anarhynchus frontalis*.] < *P. Z. S.*, xxxvii, 1869, p. 360.
1869. HARTING, J. E. On rare or little-known Limicolæ. [Part I.] < *Ibis*, 2d ser., v, 1869, pp. 304-310, fig., and pl. viii.  
This, the first instalment of a series of articles with above caption, without subhead, treats monographically of *Anarhynchus frontalis*.

1869-73. HARTING, J. E. On rare or little-known Limicolæ. [Parts I-V.] < *Ibis*, 2d ser., v, 1869, pp. 304-310, fig. and pl. viii, 426-434, figg. and pl. xii; 2d ser., vi, 1870, pp. 201-213, pll. v, vi, 378-392; 3d ser., iii, 1873, pp. 260-269, pll. viii, ix.

An important series of papers, very full, and making many rectifications of synonymy and other criticisms. They are divisible into parts, each one of which will be found entered in this Bibliography under head of the family to which the birds treated in the successive instalments respectively belong.—1869, pp. 304-310, treats of *Anarhynchus frontalis* (pl. 8); 1869, pp. 426-434, of *Eurynorhynchus pygæus* (pl. 12); 1870, pp. 201-213, of *Eudromias asiaticus* (pl. 5), *E. veredus* (pl. 6); 1870, pp. 378-392, of *Ægialitis geoffroyi*, *Æ. mongolicus*; 1873, pp. 260-269, *Ægialitis varius* (pl. 8), *Æ. sanctæ helenæ*, n. sp., p. 266 (pl. 9) = *pecuarius* ex St. Helenâ auct. Thus all five papers, excepting the second, treat of *Charadriidae*.

1869. HARTLAUB, G. On *Anarhynchus* [frontalis]. < *P. Z. S.*, xxxvii, 1869, pp. 433-436.

History and characters of the genus; synonymy and description of the species.

1869. HORNE, C. [On the habits of *Lobivanellus goensis*.] < *Ibis*, 2d ser., v, 1869, pp. 454-456.

1869. JARDINE, W. [Note on the bill of *Anarhynchus frontalis*.] < *Ibis*, 2d ser., v, 1869, pp. 461, 462.

1869. MATHEW, M. A. Dotterel [*Endromias morinellus*] near Weston. < *Zoologist*, 2d ser., iv, 1869, p. 1802.

1870. GURNEY, J. H., JR. Gray Plover [*Squatarola helvetica*] at Blakeney. < *Zoologist*, 2d ser., v, 1870, p. 2384.

1870. MOSLEY, O. Golden Plover [*Charadrius pluvialis*] on the Dove. < *Zoologist*, 2d ser., v, 1870, p. 1981.

1870. NEWTON, A. [Exhibition of a Chick of *Anarhynchus frontalis*.] < *P. Z. S.*, xxxviii, 1870, pp. 673, 674, woodc.

1870. HARTING, J. E. On rare or little-known Limicolæ. [Part III.] < *Ibis*, 2d ser., vi, 1870, pp. 201-213, pll. v, vi.

The third instalment of the series, continued from *op. cit.*, v, 1869, p. 434. It treats of *Eudromias asiaticus* (pl. v), and *E. veredus* (pl. vi).

1870. HARTING, J. E. On rare or little-known Limicolæ. [Part IV.] < *Ibis*, 2d ser., vi, 1870, pp. 378-392.

The fourth instalment of the series, continued from *tom. cit.*, p. 213. It treats of *Ægialitis geoffroyi* and *Æ. mongolica*.

1870. SWINHOE, R. On the Plovers of the Genus *Ægialites* found in China. < *P. Z. S.*, xxxviii, 1870, pp. 136-142, pl. xii.

8 spp. *Æ. hartingi*, p. 136, pl. xii; *Æ. dealbatus*, p. 138, spp. nn.

1871. HARVIE-BROWN, J. A. Ringed Plover [*Ægialitis hiaticula*] breeding Inland. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. CHALK, W. J. Large Flock of Golden Plover [*Charadrius pluvialis*] at Bedford. < *Zoologist*, 2d ser., vi, 1871, p. 2806.

1871. EDWARDES, L. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2770.

1871. GURNEY, J. H., JR. Dotterel [*Charadrius morinellus*] at Dungeness. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. HARTING, J. E. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2807.

1871. MITTFORD, R. Ring Dotterel breeding Inland. < *Zoologist*, 2d ser., vi, 1871, p. 2851.

1871. POWER, F. D. Dotterels [*Endromias morinellus*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, p. 2441.

1871. OGDEN, J. A. Synopsis of the Genus *Chettusia* (*Lobivanellus*), with a Description of a New Species. < *Proc. Acad. Nat. Sci. Phila.*, 1871, pp. 194-196, pl. i.

A short, imperfect sketch, including 16 species, one being *C. nigrifrons*, sp. n., from Fazole, p. 196. See especially Finsch, *op. cit.*, 1872, p. 32.

1871. RODD, E. H. Kentish Plover [*Ægialitis cantiana*] near Penzance. < *Zoologist*, 2d ser., vi, 1871, p. 2806.
1872. ANGUS, W. C. Ringed Plover [*Ægialitis hiaticula*] breeding at a distance from the Coast. < *Zoologist*, 2d ser., vii, 1872, pp. 2905, 2906.
1872. FINSCH, O. On *Charadrius asiaticus* and *Ch. damarensis*. < *Ibis*, 3d ser., ii, 1872, pp. 144-147.  
Synonymatic and critical. The determinations differ from those of J. E. Harting, *op. cit.*, 1870, p. 206, *q. v.*
1872. FINSCH, O. Remarks on the "Synopsis of the genus *Chettusia* (Lobivanellus), with a description of a new Species by J. A. Ogden." < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, p. 32.  
*Chettusia nigrifrons* Ogd. = *Ch. [Linnetes] crassirostris*; and other rectifications, with addition of 8 species of the genus to those given by Ogden, *op. cit.*, 1871, pp. 194-196, *q. v.*
1873. CABANIS, J. [*Chettusia leucra* bei Sarcpta erlegt.] < *J. f. O.*, 1873, p. 80.
1873. DURNFORD, H. Remarkable Posture of the Norfolk Plover [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., viii, 1873, p. 3693.
1873. HARTING, J. E. [*Endromias tennirostris* Hume = *Ægialitis hartingi* Swinh. = *Charadrius placidus* Gray.] < *Ibis*, 3d ser., iii, 1873, pp. 324-327.
1873. HARTING, J. E. On rare or little-known Limicolæ. [Part V.] < *Ibis*, 3d ser., iii, 1873, pp. 260-269, pl. viii, ix.  
The fifth and concluding instalment of the series, continued from *op. cit.*, 2d ser., vi, p. 392. It treats of *Ægialitis varius* (pl. viii), and of *Æ. sanctæ-helenæ*, n. sp., p. 266, pl. ix. The latter is *pecuarius* auct. ex St. Helenæ.
1874. HARTING, J. E. On the Lapwing of Chili [*Vanellus occidentalis*, p. 451, sp. n.]. < *P. Z. S.*, lxii, 1874, pp. 449-452.
1874. HARTING, J. E. On the Eggs of some little-known Limicolæ. < *P. Z. S.*, xlii, 1874, pp. 454-460, pl. ix.  
23 spp., of which the following are figured: fig. 1, *Glareola lactea*; 2, *Pluvianus ægyptius*; 3, *Hoplopterus ventralis*; 4, *Ægialitis pecuarius*; 5, *Æ. tricoloris*; 6, *Æ. falklandicus*; 7, *Æ. collaris*; 8, *Æ. ruficapillus*; 9, *Æ. nigrifrons*; 10, *Himantopus novæ-zelandiæ*; 11, *Anarhynchus frontalis*.
1875. DRESSER, H. E. [Occurrence of *Charadrius fulvus* (verna) in Great Britain.] < *Ibis*, 3d ser., v, 1875, pp. 513, 514.
1875. DRESSER, H. E. Notes on the Nest and Egg of *Hypolaïs caligata* and on the Egg of *Charadrius asiaticus*, Pall., together with Remarks on the latter Species and *Charadrius veredus*, Gould. < *P. Z. S.*, Feb. 16, 1875, pp. 97, 98.  
The distinction of these two species of *Charadrius* maintained.
1875. HARVIE-BROWN, J. A. [On the Eggs of *Anarhynchus frontalis* described in *P. Z. S.*, 1874, 451.] < *Ibis*, 3d ser., v, 1875, p. 519.
1876. BOYES, F. Stone Curlew [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4882.
1876. GURNEY, J. H., JR. Stone Curlew [*Ædienemus crepitans*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4801.
1876. GURNEY, J. H., JR. The Eye of the Little Ringed Plover [*Ægialitis curonica*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4801.
1876. RODD, E. H. Common Dotterel [*Endromias morinellus*] near Penzance. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5125.
1876. WHEEER, F. White Peewit [*Vanellus cristatus*]. < *Zoologist*, 2d ser., xi, May, 1876, p. 4928.
1877. GARROD, A. H. Notes on the Anatomy and Systematic Position of the Genera *Thinocornus* and *Attagis*. < *P. Z. S.*, May 1, 1877, pp. 413-418, figg.  
Nearest related to *Cursorius* and *Glareola*.  
This does not come strictly under head of *Charadriidæ*; but I wish it to appear here.

1877. HOWELL, M. A. The American golden plover [*Charadrius fulvus virginicus*.]  
    < *Forest and Stream*, viii, Mar. 1, 1877, p. 49.  
    Habits of the species.
1878. EAGLE, C. H. Capture of *Ægialitis meloda* var. *circumcincta*, Ridg., on Long  
    Island. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 94.
1878. GARROD, A. H. On the trachea of *Tantalus loculator* and of *Vanellus cayen-*  
    *nensis*. < *P. Z. S.*, May 21, 1878, pp. 625-629, figg. 1, 2.  
    The parts named of each of these species are figured on the woodcuts in text.
1879. DUTCHER, W. Wilson's Plover [*Ægialitis wilsonia*] on Long Island, N. Y.  
    < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 242.

## Chionididæ.

1836. BLAINVILLE, M. H. D. DE. Sur la place que doit occuper dans le système ornithologique le genre *Chionis* ou Bec-en-fourreau. < *Comptes Rend. de l'Acad. Sci.*, iii, 1836, pp. 155-164.

Pas vu moi-même.

1836. BLAINVILLE, M. H. D. DE. Mémoire sur la place que doit occuper dans le système ornithologique le genre *Chionis* ou Bec-en-fourreau. < *Ann. des Sci. Nat.*, 2<sup>e</sup> sér., vi, 1836, pp. 97-106.

This I have seen, and in fact have closely studied; but the title is taken at second-hand, and may not be literally correct.

Various previous writers upon the subject had either passed over the systematic position of *Chionis* as not determined, or, in attempting its determination, had in turn considered the bird as grallatorial, natatorial, and gallinaceous, and had placed it in one or another of the recognized families, or had made of it a distinct family. The present author, writing at a time when only three specimens of *Chionis alba* were known to him to have existed, describes briefly the external parts of this species, and in more detail the osteology, the material for the study of the latter being an incomplete skeleton obtained through M. Baillon from M. P. E. Botta, who also contributed some details of the visceral anatomy. Relying chiefly upon the characters of the sternum in classification, M. De Blainville made the bird out to be an échassier, closely related to *Hœmatopus*. The reasons for his conclusions are stated categorically in thirteen propositions on p. 106. The position here taken is defended with learning and ingenuity, and has been until recently very generally accepted without question.—Cf. *Bull. U. S. Nat. Mus.*, No. 3, 1876, pp. 86-88.

1841. HARTLACH, G. Nouvelle espèce de Bec en fourreau (*Chionis* [minor]). < *Revue Zoologique*, iv, 1841, pp. 5, 6; v, 1842, pl. 2, figg. 2, 2a, 2b.

Cette espèce est devenue plus tard le type du genre nouveau *Chionarchus* de MM. Kidder et Coues, *Bull. U. S. Nat. Mus.*, n<sup>o</sup>. 3, 1876, p. 116, q. v. Elle a été figurée par M. G. R. Gray, *Gen. Birds*.

1858. EYTON, T. C. Note on the Skeleton of the Sheath-bill (*Chionis alba*). < *P. Z. S.*, xxvi, 1858, pp. 99, 100.

Inclines to place it with *Glareola*.

1858. EYTON, T. C. Note on the Skeleton of the Sheath-bill (*Chionis alba*). < *Ann. Mag. Nat. Hist.*, 3d sér., ii, 1858, p. 67.

From *P. Z. S.*, Feb. 23, 1858, pp. 99, 100.

1869. CUNNINGHAM, R. O. On *Chionis alba*. < *Journ. Anat. and Physiol.*, Nov., 1869, pp. 87-89, pl. vii.

A brief description, illustrated by figures, of the principal digestive organs, and larynx.

1870. CUNNINGHAM, R. O. On *Chiaris* [sic] *alba*. < *Rep. Brit. Assoc. Adv. Sci. for* 1869, 1870, (*Misc. Comm.*), p. 111.

Anatomical notes on *Chionis alba*.

1867. SCLATER, P. L. [Exhibition of a skin of *Chionis minor*.] < *P. Z. S.*, xxxv, 1867, p. 891.

From the Crozet Islands, being that mentioned by E. L. Layard in *Ibis*, 1867, p. 458.

1871. NEWTON, A. [Egg of *Chionis minor* figured.] < *P. Z. S.*, Jan. 17, 1871, p. 57, pl. iv, f. 7.

Not properly citable as a separate article: the notice occurs in a paper entitled, "On some New or Rare Birds' Eggs", running pp. 55-58, pl. iv, figg. 1-8 of the periodical in mention.

1876. KIDDER, J. H. An interesting Bird [*Chionis minor*]. < *Popular Science Monthly*, viii, No. 48, Apr., 1876, pp. 657-665, figs. 1-3.

Popular account of the history, characters, and habits of this species.

1876. [KIDDER, J. H.] The Natural History of Kerguelen Island. < *Am. Nat.*, x, No. 8, 1876, pp. 481-484.

Editorial, prepared from Dr. Kidder's paper. *Chionis minor* the only bird treated.

1876. KIDDER, J. H., and COUES, E. A study of *Chionis minor* with reference to its Structure and Systematic Position. < *Bull. U. S. Nat. Mus.*, No. 3, 1876, pp. 85-116.

After De Blainville's original memoir of 1836 on the anatomy and taxonomy of *C. alba*, this article is the principal authority on the structure and systematic position of the family *Chionididae*. The species studied is *C. minor*, not only fully endorsed as to its specific validity, but raised to the rank of a separate genus (*Chionarchus*, g. n., p. 116). The taxonomic value of the family is also raised to equivalency with the major groups indicated by Huxley by the termination *-morphæ*, under the style of *Chionomorphæ* (p. 115).

The article opens with a review of the literature of the whole subject, from Forster's founding of the genus *Chionis* in 1788, to date, De Blainville's paper being specially noted (pp. 85-90). The description of *C. minor* follows (pp. 91, 92); the anatomy of the same species continues (pp. 92-107) with an account of the principal muscles and viscera, and a description of the whole skeleton. A "Statement of Conclusions deduced from the foregoing" concludes the paper. De Blainville's views of the near relationship of *Chionis* to *Hæmatopus* are criticized and dissented from. "In summing external characters, therefore, we see how exactly *Chionis* stands between grallatorial and natatorial birds, retaining slight but perfectly distinct traces of several other types of structure" (p. 109). "We thus find in *Chionis* a connecting link, closing the narrow gap between the plovers and gulls of the present day. In our opinion, this group represents the survivors of an ancestral type from which both gulls and plovers have descended. And this opinion is strongly supported by the geographical isolation of its habitat, affording but few conditions favorable to variation" (p. 114). *Chionis* being consequently not referable to either of the two superfamily groups between which it stands, the group *Chionomorphæ* is established for its reception, and defined—the Chionomorphs "constituting exactly the heretofore unrecognized link between the Charadriomorphs and Cecomorphs, nearer the latter than the former, and still nearer the common ancestral stock of both." Of the two recognized species, *C. minor* is decided to be "undoubtedly nearest to the ancestral type," and is therefore named *Chionarchus minor*.

Other observations on *Chionis minor*, by Dr. Kidder, are found *ibid.*, p. 7; and in *op. cit.*, No. 2, 1875, pp. 1-—; but these are not separate articles. I am under the impression that one or more special papers on *Chionis* appeared after 1876; but if so, I have not indexed the periodicals in which they are contained.

**Hæmatopodidæ.**

1773. ———. Beschreibung des Austersammlers [*Hæmatopus ostralegus*]. < *Berlin. Sammlgn.*, v, 1773, pp. 517–519.  
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1783. OTTO, B. C. Der Steindreher [*Tringa (Strepsilas) interpres*]. < *Abhandl. Naturf. Gesell. Halle*, i, 1783, pp. 111–120.  
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1826. [BOIE, F.] On the Plumage of the Oyster Catcher [*Hæmatopus ostralegus*]. < *Thomson's Ann. Philos.*, new ser., xi, 1826, pp. 71, 72.  
Editorial note of Boie's observations.
1833. EVANS, J. A puzzling Specimen of the Oyster-catcher (*Hæmatopus ostralegus* L.). < *London's Mag. Nat. Hist.*, vi, 1833, pp. 152, 153.  
From *Hercford Journal*, Dec. 5, 1832.
1834. G[OATLEY], T. The Account of the Oyster Catcher [*Hæmatopus ostralegus*]. < *London's Mag. Nat. Hist.*, vii, 1834, pp. 151, 152.  
Cf. *op. cit.*, vi, p. 151.
1846. CHENNELL, F. A. Occurrence of the Oyster-Catcher [*Hæmatopus ostralegus*] inland. < *Zoologist*, iv, 1846, p. 1212.
1846. HALL, T. Longevity of the Oyster Catcher [*Hæmatopus ostralegus*, æt. 30]. < *Zoologist*, iv, 1846, p. 1501.
1848. CABOT, S., JR. [Comparison of the American and European Oyster-catcher (*Hæmatopus*).] < *Proc. Bost. Soc. Nat. Hist.*, iii, 1848, pp. 43, 44.  
The former was named *H. palliatus* by Temminck, *Man. Orn.*, ii, p. 532.
1848. CABOT, S., JR. American and European Oyster-catcher. < *Am. Journ. Sci.*, vi, 1848, p. 433.  
From *Proc. Bost. Soc.*, iii, 1848, pp. 43, 44.
1849. CURTLER, M. Occurrence of the Oyster-catcher (*Hæmatopus ostralegus*) in Worcestershire. < *Zoologist*, vii, 1849, p. 2455.
1850. GARTH, J. C. Turnstone [*Strepsilas interpres*] associating with Pigeons. < *Zoologist*, viii, 1850, p. 2652.
1858. JÄGER, C. [*Hæmatopus ostralegus* am Main.] < *Naumannia*, viii, 1858, p. 169.
1863. SANBY, H. L. Green Variety of the Oystercatcher's [*Hæmatopus ostralegus*] Egg. < *Zoologist*, xxi, 1863, p. 8725.
1864. NEWMAN, H. W. Is the Turnstone [*Strepsilas interpres*] near Flamborough and Filey in July? < *Zoologist*, xxii, 1864, pp. 9362, 9363.
1867. CLARK-KENNEDY, A. Plumage of the Oystercatcher [*Hæmatopus ostralegus*]. < *Zoologist*, 2d ser., ii, 1867, pp. 607, 608.
1868. HARVIE-BROWN, J. A. Plumage of the Oystercatcher [*Hæmatopus ostralegus*]. < *Zoologist*, 2d ser., iii, 1868, p. 1178.
1879. "MOWITCH." Black Oyster Catcher [*Hæmatopus niger*]. < *Forest and Stream*, xiii, No. 14, Nov. 6, 1879, p. 785.  
Its occurrence in British Columbia.

**Scolopacidæ.**

1765. STRÖM, H. Beskrivelse voor en Norsk Strand sneppe, kaldet Fiöre-pist [Tringa sp.]. < *Kong. Norske Vidensk.-Selsk. Skrift.*, iii, 1765, pp. 440-445.  
Not seen.
1767. STRÖM, H. [Beschreibung einer nordischen Strand Schnepfe, Fiöre-pist genannt (Tringa sp.).] < *Drontheim. Ges. Schrift.*, iii, 1767, pp. 395-400.  
Not seen. Transl. from *Kong. Norske Vidensk.-Selsk. Skrift.*, iii, 1765, pp. 440-445.
1794. MARKWICK, W. Additional Remarks on the Wood Sandpiper, Tringa [Totanus] glareola. < *Trans. Linn. Soc.*, ii, 1794, p. 325.  
The original remarks are in a paper "On the migrations of certain Birds," etc., in *Trans. Linn. Soc.*, 1791, pp. 118-130, pl. xi. The species is here considered as a variety of *T. ochropus* (written *ocropus*). See same view in *London's Mag. Nat. Hist.*, v, 1832, pp. 81, 82.
1794. [MARKWICK, W.] Ueber Linnés braungefleckten Strandläufer, (Tringa [Totanus] Glareola.) < *Meyer's Zool. Annalen*, i, 1794, pp. 331-383, pl. vi.  
Auszug aus *Trans. Linn. Soc.*, 1791, p. 128, pl. xi.
1805. VAUGHAN, J. and MILLIGAN, R. Facts and Observations relative to the North-American Woodcock [Philohela minor]. < *Barton's Med. and Phys. Journ.*, part i, vol. ii, 1805, pp. 68-70.  
The behavior of the bird during the mating season.
1816. THUNBERG, C. P. Platalaea pygmæa, vidare beskrioven, med figur. < *Kongl. Vetensk.-Acad. Handl.*, 1816, pp. 194-198, pl. vi.
1818. RAFINESQUE, C. S. General Account of the Discoveries made in the Zoology of the Western States. < *Amer. Monthly Mag.*, iv, 1818, pp. 106, 107.  
Page 106, *Symphemia*, g. n., named, no descr. It is described, and its type named *S. atlantica*, sp. n., in *Journ. de Phys.*, lxxxviii, 1819, p. 418.
1823. KAUP, [J. J.] Brehm's Schnepfe, Scolopax Brehmii Kaup [sp. n.]. < *Oken's Isis*, Jahrg. vii, 1823, p. 1147.
1823. MORRISON. —. The Woodcock [Scolopax rusticola]. < *Edinb. Philos. Journ.*, x, 1823, pp. 198, 199.  
On the migration of this species.
1824. STRAUS. —. Mémoire sur le Scolopax Brehmii; par M. Kaup. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., i, 1824, p. 183.  
Extrait de l'*Isis*, Bd. vii, 1823, p. 1147.
1825. [MORRISON. —.] Sur la Bécasse [Scolopax rusticola]. < *Féruss. Bull.*, 2<sup>e</sup> sect., vi, 1825, pp. 98, 99.  
Extrait de l'*Edinb. Philos. Journ.*, x, 1823, pp. 198, 199; sur les migrations de cet oiseau.
1825. VIGORS, N. A. A description of a new Species of Scolopax [sabini] lately discovered in the British Islands; . . . < *Trans. Linn. Soc. London*, xiv, pt. iii, 1825, pp. 556-562, pl. xxi.  
The paper is of more extended scope, and the full title will be found in the Fourth (British) Instalment of this Bibliography. The new Snipe is figured on the plate.
1825. VIGORS, N. A. [Scolopax sabini.] < *Philos. Mag.*, lxxv, 1825, pp. 433-437.  
This is only a catch-title, which I cannot verify at present printing. I had the full title, but it is lost or mislaid. See preceding title.
1826. LESS[ON, R. P.]. Description d'une nouvelle espèce de Scolopax [sabini], découverte récemment dans les îles britanniques, . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., vii, 1826, pp. 250, 251.  
Vigors. *Trans. Linn. Soc. London*, xiv, pt. iii, 1825, pp. 556-562.
1828. [EDITORIAL.] [Note on Yarrell's Description of a Species of Tringa (Tryngites rufescens) new to Europe.] < *Philos. Mag.*, iv, 1828, p. 61.  
See *Trans. Linn. Soc.*, xvi, pt. iii, pub. 1829, pp. 109-113, pl. xi.



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This paper becomes somewhat conspicuous in the literature of *Scolopæidæ*, owing to the fact that we have no great monographs or iconographies in this family of birds. It is the "maiden" effort of a very youthful author, who appears to have been too timid and too inexperienced to do any very brilliant blundering. On this account we may perhaps justify Dr. Schater's very generous mention of Mr. Coues's as a "name new to ornithologists, but not the less heartily welcome as that of a recruit to our ranks, who begins by fighting his first fight well and against a very hard subject" (*Ibis*, 1862, p. 84). We may add on our own account that no material modification of the specific determinations of North American Sandpipers has since been made. Two or three additional species have since been ascertained to inhabit this country; but otherwise, the species stand very nearly as Mr. Coues left them twenty years ago. The following genera and species are treated, with synonymy, diagnosis, description, habitat, and general criticism:

1. *Micropalama himantopus* (Bp.) Bd. 2. *Ereunetes pusillus* (L.) Cass. 3. *Tringa canutus* L. 4. *Calidris arenaria* (L.) Ill. 5. *Arquatella maritima* (Brünn.) Bd. 6. *Ancylocheilus subarquata* (Güld.) Kamp. 7. *Pelidna americana* (Cass.) Coues. (*P. pacifica*, Coues, n. sp. prob., p. 189.) 8. *Actodromas minutilla* (V.) Coues. 9. *Actodromas bairdii* Coues, n. sp., p. 194. 10. *Actodromas maculata* (V.) Cass. 11. *Actodromas* (*Heteropygia* sive *Delopygia*, subg. n., p. 190) *bonapartei* (Schl.) Cass. 12. *Actodromas* (*Heteropygia*) *cooperi* (Bd.) Coues. Three species attributed to North America by other authors are noticed and discarded: *Actodromas minuta*; *A. temminckii*; *Limicola pygmaea*. The new species, *A. bairdii*, has been considered invalid by Schlegel, who evidently knew nothing about it. The specific distinction of *Pelidna americana* from *P. alpina* is very questionable, and not now generally conceded.

The Sandpipers ascribed to North America since the appearance of this monograph are the following: 1. *Ereunetes occidentalis* Lawr., *Pr. Phila. Acad.*, 1864, p. 107; doubtfully distinct from *E. pusillus*. 2. *Tringa pitlochemis* Coues, *Elliott's Rep. Pribylor Islands*, 4to, 1873, not paged; this is *T. crassirostris* Dall, *Am. Nat.*, viii, 1873, p. 635, and *T. gracilis* Harting, *P. Z. S.*, 1874, p. 242, pl. 49. It has proved to be an *Arquatella*, and very near *A. maritima*. 3. *Arquatella couesi*, Ridgw., *Bull. Nutt. Ornith. Club*, v, 1880, p. 160.

No second specimen of *Tringa cooperi* has ever come to light. The new species of this paper, *A. bairdii*, has proved to be a very common bird of North and South America, before confounded with *bonapartei*, from which it is utterly different. It may have had a prior name, but none such has been established. The suggested "*Pelidna pacifica*" has never been confirmed. The races of *Ereunetes* remarked upon have not since been recognized and are doubtless invalid. Dr. Coues and some others have since adopted Vieillot's name, *fusceicollis*, for what is here called *bonapartei*; but the applicability of the name to this species seems doubtful.—W. S.

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< *Zool. Gart.*, ii, 1861, p. 116.
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1861. GLOGER, C. W. L. Das Balzen von Scolopax rusticula betreffend. < *J. f. O.*, ix, 1861, pp. 289, 290.
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- The birds of this group are treated under the genera *Scolopax* (3 spp.), *Gallinago* (16), *Rhyngchæa* (2), *Prosubania* (1), *Limosa* (8), *Tringa* (17), *Phalaropus* (3), *Totanus* (12), *Actitis* (4), *Numenius* (10), *Recurvirostra* (3), and *Himantopus* (5)—rather an improvement upon the author's custom of classifying, though we still miss some important genera. There are enumerated a total of 1,280 specimens in the Leyden Museum. Cf. *Ibis*, 1865, p. 533.
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1869. HART, W., and SOX. Sabine's Snipe [*Gallinago sabini*] (?) at Christchurch. < *Zoologist*, 2d ser., iv, 1869, p. 1722.
1869. HARTING, J. E. On rare or little-known Limicole. [Part II.] < *Ibis*, 2d ser., v, 1869, pp. 424-434, figg. and pl. xii.  
Continued from *tom. cit.*, p. 310. This second instalment of the series of articles treats monographically of *Euryorchynchus pygmaeus*.  
Parts I, III, IV, V, treat of various species of *Charadriidæ*, as stated in previous pages of this Bibliography, where they are all duly entered. But in citing the whole series collectively, as consisting of five papers, dating 1869-73 (see *ante*, p. 838), I have overlooked a sixth paper, on *Recurvirostra*, 1871 (see *postea*, p. 873). Please make the necessary correction, in ink, in your copy of this Bibliography.
1869. RICKARDS, M. S. C. Purple Sandpiper [*Tringa maritima*] at Weston-super-Mare. < *Zoologist*, 2d ser., iv, 1869, p. 1645.
1869. ROBB, E. H. American Stint [*Tringa minutilla*] at Northam Burrows. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1869. ROWLEY, G. D. White Woodcock [*Scolopax rusticola*]. < *Zoologist*, 2d ser., iv, 1869, p. 1645.
1869. SCLATER, P. L., and SALVIN, O. Descriptions of Six New Species of American Birds of the Families Tanagridæ, Dendrocolaptidæ, Formicariidæ, Tyrannidæ, and Scolopacidæ. < *P. Z. S.*, xxxvii, 1869, pp. 416-420.  
The new Snipe is *Gallinago imperialis*, p. 419.
1869. TEMPLER, R. B. A Bull-coloured Woodcock [*Scolopax rusticola*]. < *Zoologist*, 2d ser., iv, 1869, p. 1602.
1869. [THORPE, T. B.] The Woodcock [*Philohela minor*]. < *Harper's New Monthly Mag.*, xxxix, 1869, pp. 640-647, figs. 1-4.  
Natural history and methods of capture.
1869. WARD, E. [Exhibition of a specimen of a melanotic variety of the Common Woodcock (*Scolopax rusticola*).] < *P. Z. S.*, xxxvii, 1869, p. 473.
1870. ANON. Weight of Snipe. < *Zoologist*, 2d ser., v, 1870, p. 2069.  
From the London Field, Jan. 22, 1870.
1870. BLAKE-KNOX, H. Esquimaux Curlew [*Numenius borealis*] in Dublin Market. < *Zoologist*, 2d ser., v, 1870, pp. 2408, 2409.
1870. BLAKE-KNOX, H. Ruff [*Machetes pugnax* ♂] in Dublin. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. BRANDRETH, H. P. Woodcock [*Scolopax rusticola*] on the 19th of March [at Standish Rectory] < *Zoologist*, 2d ser., v, 1870, p. 2141.
1870. BROWNE, A. M. Curlew Sandpiper [*Tringa subarquata*] near Aberyst-with. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. CABANIS, J. [Ueber Bildung und Anzahl der seitlichen Steuerfedern bei *Gallinago*, und über *G. heterocerca* n. sp.] < *J. f. O.*, xviii, 1870, pp. 235, 236.
1870. COUES, E. Foot-notes from a Page of Sand. < *Am. Nat.*, iv, 1870, pp. 297-303.  
A popular account of tracks made on the sea-shore by *Ercunetes pusillus*, and how to identify them.
1870. GUNX, T. E. Ruff [*Machetes pugnax* ♂] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2103.
1870. GUNX, T. E. Wood Sandpipers [*Totanus glareola*] and Greenshanks [*Totanus glottis*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2384.
1870. GUNX, T. E. Solitary Snipe [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., v, 1870, p. 2384.

1870. GURNEY, J. H., JR. Woodcock [*Scolopax rusticola*] and Godwit [*Limosa* —]. < *Zoologist*, 2d ser., v, 1870, p. 2345.
1870. HARTING, J. E. [Exhibition of a specimen of *Totanus fuscus*.] < *P. Z. S.*, xxxviii, 1870, p. 221.
1870. HARTING, J. E. [Occurrence of *Tringa bairdii*, Coues, at Walvisch Bay, S. Africa, Oct. 24, 1863.] < *Ibis*, 2d ser., vi, 1870, pp. 151, 152.
1870. HORNE, C. Jack Snipe [*Gallinago gallinula*] in a Norwood Garden. < *Zoologist*, 2d ser., v, 1870, p. 2141.
1870. "J. W. D." Sabine's Snipe [*Gallinago sabinii*]. < *Zoologist*, 2d ser., v, 1870, p. 2103.  
From the 'Field.'
1870. MOOR, E. C. Green Sandpiper [*Totanus ochropus*] at Hasketon. < *Zoologist*, 2d ser., v, 1870, p. 2105.
1870. RICKARDS, M. S. C. The American Stint [*Tringa minutilla*] at Northam Burrows. < *Zoologist*, 2d ser., v, 1870, p. 2025.
1870. RICKARDS, M. S. C. American Stint [*Tringa minutilla*, at Northam Burrows]. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1870. RODD, E. H. Blacktailed Godwit [*Limosa aegocephala*] in Summer Plumage at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2182.
1870. RODD, E. H. British Sandpipers at Scilly. < *Zoologist*, 2d ser., v, 1870, pp. 2345, 2346.
1870. RODD, E. H. Pectoral Stint or Sandpiper [*Tringa maculata*] at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. [Another case of *Tringa maculata*] Pectoral Sandpiper at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. Buff-breasted Sandpiper [*Tryngites rufescens*] at Scilly. < *Zoologist*, 2d ser., v, 1870, p. 2346.
1870. RODD, E. H. Schinz's Stint [*Tringa bonapartii*] at Scilly. < *Zoologist*, 2d ser., v, 1870, pp. 2384, 2385.
1870. RODD, E. H. Schinz's Stint [*Tringa bonapartii*] at the Lizard. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. SMEE, A. H. Woodcock [*Scolopax rusticola*] in August. < *Zoologist*, 2d ser., v, 1870, p. 2384.
1870. SMEE, A. H. Little Stint [*Tringa minuta*], &c., near Leigh. < *Zoologist*, 2d ser., v, 1870, p. 2385.
1870. SMITH, CECIL. Ruff [*Machetes pugnax* ♂] in Somersetshire. < *Zoologist*, 2d ser., v, 1870, p. 2103.
1870. SMITH, CECIL. Schinz's Sandpiper [*Tringa bonapartii*] in North Devon. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1870. SMITH, CECIL. Sternum of Schinz's Sandpiper [*Tringa bonapartii*]. < *Zoologist*, 2d ser., v, 1870, p. 2409.
1871. BATES, B. Schinz's Sandpiper [*Tringa bonapartii*] at Eastbourne. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1871. BLAKE-KNOX, H. Little Stint [*Tringa minuta*] on the Dublin Coast. < *Zoologist*, 2d ser., vi, 1871, p. 2609.
1871. BROOKE, V. [Remarks upon exhibition of a specimen of *Numenius borealis* from Sligo, Ireland.] < *P. Z. S.*, xxxix, 1871, p. 299.
1871. DESFONTAINES, G. La Ganga [*Actiturus bartramius*] de México. < *La Naturaleza*, ii, 1871, pp. 154-158.  
Caractéres genéricos y específicos—costumbres y hábitos.

1871. FOWLER, A. Woodcocks and Moles. < *Am. Nat.*, iv, 1871, pp. 761, 762.  
*Philohela minor* supposed to prevent the increase of *Soricidæ*.
1871. FULLER, O. The Stilt Sandpiper [*Micropalama himantopus*] in Massachusetts.  
 < *Am. Nat.*, v, 1871, p. 727.
1871. GUNN, T. E. Solitary Snipes [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. GUNN, T. E. Ruffs and Reeves [*Machetes pugnax* ♂ ♀] at Yarmouth. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. GURNEY, J. H., JR. The Wader at Whitby [*i. e.*, *Machetes pugnax*, Zool., s. s., p. 2772.] < *Zoologist*, 2d ser., vi, 1871, p. 2806.  
*Vanellus gregarius* or *Machetes pugnax*? As will be seen by several titles below, the "Whitby Wader" occasioned considerable correspondence before it was finally determined to be *Machetes pugnax*. ♂, juv.
1871. GURNEY, J. E., JR. Ruffs [*Machetes pugnax* ♂, at Romney Bay, near Lydd]. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. HARTING, J. E. [Remarks upon exhibition of a specimen of the so-called Sabine's Snipe.] < *P. Z. S.*, xxxix, 1871, p. 39.  
 "*Gallinago sabinii*" = *G. gallinula*, melanotic.
1871. HARTING, J. E. The Whitby Wader [*Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, pp. 2851, 2852.
1871. LEACH, H. R. Temminck's Stint [*Tringa temmincki*] at Aldeburgh. < *Zoologist*, 2d ser., vi, 1870, p. 2871.
1871. MATHEW, M. A. Schinz's Sandpiper [*Tringa bonapartii*] at Barnstaple. < *Zoologist*, 2d ser., vi, 1871, pp. 2441, 2442.
1871. MITFORD, R. H. Ruff and Reeve [*Machetes pugnax* ♂] in Middlesex. < *Zoologist*, 2d ser., vi, 1871, p. 2806.
1871. NEWTON, A. [Exhibition of some rare European Birds' Eggs.] < *P. Z. S.*, xxxix, 1871, pp. 546, 547.  
*Calidris arenaria* remarked upon.
1871. POWER, F. D. Ruff [*Machetes pugnax* ♂] in Middlesex. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. RICKARDS, M. S. C. Green Sandpiper [*Totanus ochropus*] at Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2485.
1871. RICKARDS, M. S. C. Pectoral Sandpiper [*Tringa maculata*] at Bramton Burrows. < *Zoologist*, 2d ser., vi, 1871, pp. 2808, 2809.
1871. RICKARDS, M. S. C. Greenshank [*Totanus glottis*] and Green Sandpiper [*Totanus ochropus*] near Barnstable. < *Zoologist*, 2d ser., vi, 1871, pp. 2809, 2810.
1871. RICKARDS, M. S. C. Wood Sandpiper [*Totanus glareola*] at Bramton Burrows. < *Zoologist*, 2d ser., vi, 1871, p. 2851.
1871. RODD, E. H. Yellowshanked Sandpiper [*Totanus flavipes*] near Marazion. < *Zoologist*, 2d ser., vi, 1871, pp. 2807, 2808.
1871. RODD, E. H. Snipe-shooting at St. Mary's, Scilly. < *Zoologist*, 2d ser., vi, 1871, p. 2852.
1871. SIMPSON, M. Name of a Wader [*i. e.*, *Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, p. 2772.
1871. SIMPSON, M. The Whitby Wader [*Totanus bartramius*? *i. e.*, *Machetes pugnax*]. < *Zoologist*, 2d ser., vi, 1871, p. 2870.
1871. SMITH, CECIL. Wood Sandpiper [*Totanus glareola*] in Somersetshire. < *Zoologist*, 2d ser., vi, 1871, p. 2441.
1871. TACZANOWSKI, L. Notiz über die ostsibirischen Numenius-Arten. < *J. f. O.*, xix, 1871, pp. 56-61.  
*N. arquata*, *australis*, *nasicus*.

1871. TACZANOWSKI, L. Nachtrag zur Notiz [tom. cit. 56] über die ostsibirischen Numenius-Arten. < *J. f. O.*, xix, 1871, pp. 395, 396.
1871. TUCK, T. G. Blackwinged Stilt [i. e., *Totanus calidris*] near Bury St. Edmunds. < *Zoologist*, 2d ser., vi, 1871, p. 2684.  
See *op. cit.* vii, 1872, p. 3064, where identified as above.
1871. TUCK, T. G. Spotted Sandpiper [*Tringoides macularius*] near Bury St. Edmunds. < *Zoologist*, 2d ser., vi, 1871, p. 2684.
1872. BOND, F. The Whithy Wader [*Machetes pugnax*]. < *Zoologist*, 2d ser., vii, 1872, p. 2905.  
At length determined to be *Machetes pugnax*, ♀, juv.
1872. BOYES, F. Snipes [*Gallinago* sp.] "Drumming" in Winter. < *Zoologist*, 2d ser., vii, 1872, p. 2934.
1872. CORBIN, G. B. Woodcock [*Scolopax rusticola*] Breeding in the New Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3260.
1872. DURNFORD, H. Sanderlings [*Calidris arenaria*] at the Mouth of the Mersey. < *Zoologist*, 2d ser., vii, 1872, p. 3149.
1872. FEILDEN, H. W. Woodcocks [*Scolopax rusticola*] breeding in Wolmar Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3188.
1872. FEILDEN, H. W. Sabine's Snipe [*Gallinago sabinii*] in Scotland. < *Zoologist*, 2d ser., vii, 1872, p. 3188.
1872. GURNEY, J. H., JR. Whimbrel [*Numenius phaeopus*] near Stratford and Dunlin [*Tringa alpina*] near Leamington. < *Zoologist*, 2d ser., vii, 1872, p. 3273.
1872. HARTING, J. E. Supposed Occurrence of Wilson's Snipe in Cornwall [Zool. s. s., 3149]. < *Zoologist*, 2d ser., vii, 1872, pp. 3273, 3274.  
It was only a var. of *G. media*. But an authentic instance of occurrence of *G. wilsoni* in England is here noted.
1872. HÜGEL, A. V. Woodcock [*Scolopax rusticola*] breeding in the New Forest. < *Zoologist*, 2d ser., vii, 1872, p. 3236.
1872. LEACH, H. R. Sanderlings [*Calidris arenaria*] and Cockle [attached to its foot]. < *Zoologist*, 2d ser., vii, 1872, p. 3314.
1872. MATHEW, G. F. Greenshanks [*Totanus glottis*], &c., near Newton. < *Zoologist*, 2d ser., vii, 1872, p. 2945.
1872. PICKARD-CAMBRIDGE, O. Snipe [*Gallinago* sp.] "Drumming" on the 2nd of February. < *Zoologist*, 2d ser., vii, 1872, pp. 2993, 2994.
1872. RICKARDS, M. S. C. [Musk] Scent of Wood Sandpiper [*Totanus glareola*]. < *Zoologist*, 2d ser., vii, 1872, p. 2945.
1872. ROBB, E. H. Wilson's Snipe [i. e., *Gallinago media*] in Cornwall. < *Zoologist*, 2d ser., vii, 1872, p. 3149.  
See *ibid.*, p. 3273.
1872. STEVENS, S. Spotted Redshank [*Totanus fuscus*] near Arundel. < *Zoologist*, 2d ser., vii, 1872, p. 3316.
1872. TUCK, T. G. Redshank [*Totanus calidris*] recorded [Zool. s. s., 2684] as Blackwinged Stilt. < *Zoologist*, 2d ser., vii, 1872, p. 3064.
1873. ANON. Woodcock [*Scolopax rusticola*] at Clapton. < *Zoologist*, 2d ser., viii, 1873, p. 2529.
1873. ANON. [Manner of "boring" of *Philohela minor*.] < *Forest and Stream*, i, Nov. 27, 1873, p. 251.
1873. BLASIUS, W. [Ueber *Gallinago heterocerca* Cab.] < *Ber. über d. xx. Versamml. d. Deutsch. Orn.-Ges.*, 1873, p. 11.
1873. CORBIN, G. B. Whimbrel [*Numenius phaeopus*] in the New Forest. < *Zoologist*, 2d ser., viii, 1873, pp. 3651, 3652.

1873. CORDEAUX, J. On the Migration and Habits of the Curlew Sandpiper (*Tringa subarquata*, Gtildenstaedt). < *Zoologist*, 2d ser., viii, 1873, pp. 3720-3722.
1873. DALL, W. H. Addition to the Avi-fauna of North America. < *Am. Nat.*, vii, 1873, pp. 634, 635.  
*Tringa "crassirostris"*, [i. e., *T. ptilonemis* Coues,] in the Aleutian Islands.
1873. DURNFORD, H. Dark Variety of the Common Snipe [*Gallinago media*]. < *Zoologist*, 2d ser., viii, 1873, p. 3529.
1873. FOULKS, O. D. The Woodcock [*Philohela minor*]. < *Am. Sportsman*, ii, 1873, p. 178.  
 Biography.
1873. HARVIE-BROWN, J. A. Curlew Sandpiper [*Tringa subarquata*], Ruffs and Reeves [*Macchetes pugnax*, ♂ ♀, near Falkirk], &c. < *Zoologist*, 2d ser., viii, 1873, p. 3803.
1873. LILFORD, Lord. [Occurrence of *Numenius hudsonicus* in the Coto de Doñana, Spain.] < *Ibis*, 3d ser., iii, 1873, p. 98.
1873. "MASSACHUSETTS" and "BORER". Where Woodcock [*Philohela minor*] moult. < *Am. Sportsman*, ii, 1873, p. 172. See also p. 178.
1873. PRÄLLE, [W. A. E.] [Ueber *Telmatias gallinula* L.-Eier aus Hannover.] < *Ber. über d. 22. Versamm. d. Deutsch. Orn.-Ges.*, 1873, pp. 5-7.
1873. ROPE, G. T. Nesting of the Woodcock [*Scelopax rusticola*] in Suffolk. < *Zoologist*, 2d ser., viii, 1873, p. 3616.
1873. STÖLKER, C. Die gemeine Sumpf- oder Heerschneppfe, Bekassine (*Scelopax gallinago* L.) in Gefangenschaft. < *Zool. Gart.*, xiv, 1873, pp. 477, 478.  
 In „Ornithologische Beobachtungen," St. Gallen, 1873.
1873. "W. E. H." [Late breeding of *Philohela minor*.] < *Am. Sportsman*, iii, 1873, p. 70.
1873. WHITAKER, J., JR. Spotted Redshank [*Totanus fuscus*, in Beetwood Park]. < *Zoologist*, 2d ser., viii, 1873, p. 3492.
1874. "A. M." Arrival of Woodcock [*Philohela minor*, at Fort Lee, New Jersey]. < *Am. Sportsman*, ii, 1874, p. 412.
1874. ANON. [EDITORIAL.] The Scarcity of Woodcock [*Philohela minor*]. < *Forest and Stream*, iii, Dec. 10, 1874, p. 277.
1874. "A. W." Woodcock [*Philohela minor*] Carrying their Young. < *Am. Sportsman*, iv, 1874, p. 139.  
 Nestlings supposed to attach themselves to parent. Compare iii, p. 379, and iv, pp. 10, 75, 92. It was about this time that the curious fact that the bird transports her young when in danger began to be noticed in this country, though long known in case of *Scelopax rusticola* (see *Zoologist*, xi, 1853, p. 4917). Various writers describe the manner in which they suppose it to be done—not easy to determine, in the nature of the case. According to the most reliable observations, the bird holds the young one so closely to her abdomen, between her legs, that the two appear as one body; thus apparently giving rise to the supposition of "A. W." that the young "attach themselves to the parent." A plate has lately been published (*Zoologist*, 3d ser., iii, 1879, p. 433) figuring the European Woodcock (*Scelopax rusticola*) flying with a young one in her claws, remote from her body, much as a hawk would carry a chicken. But there is doubtless a difference in this respect; for the text of the same article speaks of another case in which the little one was held tightly to the body of the mother, between her thighs, exactly as the American bird has been seen to do. The two species probably do not differ from each other in the way they do it, though this may not be always exactly the same in either.
1874. BATTY, J. H. Woodcock [*Philohela minor*] killing themselves. < *Am. Sportsman*, iv, 1874, p. 76.
1874. BREWSTER, W. Love-Notes of the Woodcock [*Philohela minor*]. < *Am. Sportsman*, iv, 1874, p. 19. See also pp. 41, 92.  
 Singing on the wing after sunset.

1874. COUES, E. New Species of North American Bird [*Tringa ptiloenemis*]. < *Am. Nat.*, viii, 1874, pp. 500, 501.  
 Reproduction of the description of *Tringa ptiloenemis*, Coues, from H. W. Elliott's *Rep. Prybilor Islands*, 4to, 1873, App., not paged—the original being nearly inaccessible.
1874. DURNFORD, H. Malformation in Upper Mandible of a Redshank [*Totanus calidris*]. < *Zoologist*, 2d ser., ix, 1874, pp. 3999, 4000.
1874. "DRY LAND." Late woodcock [*Philohela minor*]. < *Forest and Stream*, iii, Dec. 3, 1874, p. 267.  
*Philohela minor* and *Gallinago wilsoni* at Salem, Mass., in December.
1874. "E. H. L." Curious trick of a woodcock [*Philohela minor*]. < *Am. Sportsman*, iii, 1874, p. 379. See also iv, p. 10.  
 Parent woodcock carrying young in her beak.
1874. HARTING, J. E. On a new Species of *Tringa* [*Tringa gracilis*] from Alaska. < *P. Z. S.*, xlii, 1874, pp. 242-244, pl. xl.  
 The pl. shows also bill, feet, and tail of *T. alpina* and *T. crassirostris*.—The species was later identified with *T. ptiloenemis*, Coues.
1874. "HOMO." [C. S. WESTCOTT.] Upland Plover [*Actiturus bartramius*] Shooting. < *Am. Sportsman*, iv, 1874, p. 231.
1874. "HOMO." [C. S. WESTCOTT.] The Summer moult of Woodcock [*Philohela minor*]. < *Forest and Stream*, ii, March 19, 1874, p. 86.
1874. "HOMO." [C. S. WESTCOTT.] Woodcock [*Philohela minor*] and Woodcock Shooting. < *Forest and Stream*, iii, Oct. 8, 1874, p. 131.
1874. "HOMO." [C. S. WESTCOTT.] Snipe [*Gallinago wilsoni*] and Snipe Shooting. < *Forest and Stream*, iii, Oct. 22, 1874, p. 163.
1874. "H. P. S." Early Woodcock [*Philohela minor*]. < *Am. Sportsman*, iii, 1874, p. 395.  
 At Troy, N. Y., March 7.
1874. "PHILOHELA." Woodcock [*Philohela minor*] in Boston [Boylston street]. < *Am. Sportsman*, iv, 1874, p. 91.
1874. "HERBERT". The Song of the Woodcock [*Philohela minor*]. < *Am. Sportsman*, iv, 1874, p. 92.  
 Sings at evening (see p. 19) and carries young by clasping it between the thighs (see p. 75).
1874. LAMBERTON, A. B. The American Snipe [*Gallinago wilsoni*]. < *Am. Sportsman*, iv, 1874, p. 99 and p. 115. See p. 155.
1874. MATHEW, G. F. Green Sandpiper [*Totanus ochropus*, in Great Britain]. < *Zoologist*, 2d ser., ix, 1874, p. 4159.
1874. PERSE, A. Sabine's Snipe [*Gallinago sabinii*] in County Galway. < *Zoologist*, 2d ser., ix, 1874, p. 3836.
1874. ROBINSON, E. White Woodcock [*Scolopax rusticola*] in Ireland. < *Zoologist*, 2d ser., ix, 1874, p. 3915.
1874. ROBERTS, G., EDSON, —, and NEWMAN, E. Communications and Extracts concerning the Marsh Sandpiper (*Totanus stagnatilis* of Beebe). < *Zoologist*, 2d ser., ix, 1874, pp. 4054-4056.
1874. RODD, E. H. Woodcocks [*Scolopax rusticola*] in the Scilly Isles. < *Zoologist*, 2d ser., ix, 1874, p. 4260.
1874. "SETTER." Woodcock [*Philohela minor*] carrying their young. < *Am. Sportsman*, iv, 1874, p. 10.  
*Philohela minor* carrying its young on its back in flight; also in its claws; confirming observation of "E. H. L.", *ibid.*, iii, p. 379. See also p. 139.
1874. SHAW, J. Solitary Snipe [*Gallinago major*] in Lancashire. < *Zoologist*, 2d ser., ix, 1874, p. 3836.  
 From 'Field,' Oct. 4, 1873.



1874. "TIMBERDOODLE." A Woodcock [*Philohela minor*] Out of Place. < *Am. Sportsman*, iv, 1874, p. 28.
1874. "W. B." German Sporting Notes. < *Am. Sportsman*, iv, 1874, p. 75.  
*Philohela minor* carries its young, holding them with its claws, between its legs. Compare iv, p. 10, and iii, p. 379.
1874. WHITAKER, J. Bartailed Godwit [*Limosa lapponica*] in Nottinghamshire. < *Zoologist*, 2d ser., ix, 1874, p. 4199.
1874. "WING NOTE". Ideas of a Georgia Sportsman [as to sounds made by *Gallinago wilsoni*, while descending]. < *Am. Sportsman*, iv, 1874, p. 155.
1874. WYMAN, L. [Habits of *Actiturus bartramius* in Massachusetts.] < *Forest and Stream*, i, Jan. 8, 1874, p. 312.
1875. "ALUQUIS." The Woodcock [*Philohela minor*] as a song bird. < *Forest and Stream*, iv, June 3, 1875, p. 262.
1875. ANON. Artifices of the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, April 22, 1875, p. 167. See also p. 215.
1875. ANON. [EDITORIAL.] Instinct in the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, June 10, 1875, p. 279.  
 Carrying young in its claws.
1875. ANON. [TILESTON, W. M.] Tame Snipe. < *Forest and Stream*, v, Sept. 9, 1875, p. 68.  
 Successful experiments in keeping Snipe in various parts of the world.
1875. ANON. [EDITORIAL.] The Woodcock [*Philohela minor*]. < *Rod and Gun*, vi, April 17, 1875, p. 40. See also p. 67.  
 Need of legislative protection. The volume contains frequent allusion to, and arguments for, this measure, from various correspondents.
1875. ANON. [EDITORIAL.] [Characteristics and pseudonyms of *Tringa maculata*.] < *Rod and Gun*, vi, April 17, 1875, p. 42.
1875. DE BANES, J. Habits of the Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, March 25, 1875, p. 101.  
 Full biography, from observations in Western New York.
1875. "E. E. E." First Snipe [*Gallinago wilsoni*, at Elkton, Md.]. < *Rod and Gun*, vi, Apr. 3, 1875, p. 10.
1875. "E. R." Artifices of Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, July 1, 1875, p. 326. See also p. 127, 215.
1875. COFFIN, C. E. Confidences of Woodcock [*Philohela minor*, on the nest]. < *Forest and Stream*, v, Sept. 9, 1875, p. 68. See also p. 4.
1875. "GEO. H. M." Traits of Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, May 13, 1875, p. 215. See pp. 167, 215.
1875. GUNN, T. E. Solitary Snipe [*Gallinago major*] in Norfolk. < *Zoologist*, 2d ser., x, Oct., 1875, pp. 4665, 4666.
1875. GUNN, T. E. Spotted Redshank [*Totanus fuscus*] in Norfolk. < *Zoologist*, 2d ser., x, Oct., 1875, p. 4666.
1875. GURNEY, J. H., JR. Green Sandpiper [*Totanus ochropus*] at Northrepps. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4697.
1875. HODGKINSON, J. B. Brown Snipe near Southport. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4341.
1875. INGERSOLL, E. Remarkable success in taming Woodcocks [*Philohela minor*]. < *Forest and Stream*, v, Dec. 2, 1875, p. 260.
1875. LINDEN, C. Preservation of Woodcock [*Philohela minor*]. < *Rod and Gun*, vi, May 1, 1875, p. 67. See also p. 40.  
 General natural history.
1875. "RECAPPER." [T. C. ABBOTT.] The American Woodcock [*Philohela minor*]. < *Forest and Stream*, iv, Apr. 1, 1875, p. 117.

1875. WEBSTER, F. S. Gallinago Wilsoni [at Troy, N. Y.]. < *Forest and Stream*, iv, Mar. 18, 1875, p. 85.
1875. WHITAKER, J. Curlew [Numenius arquatus] in Nottinghamshire. < *Zoologist*, 2d ser., x, Mar., 1875, p. 4382.
1875. [WILLARD, S. L.] The American Woodcock, *Philohela minor*. < *Oölogist*, i, 1875, p. 71.
1875. [WILLARD, S. L.] The Solitary Sandpiper. (*Rhyacophilus solitarius*.) < *Oölogist*, i, 1875, p. 45.
1876. ANON. Woodcock [*Philohela minor*] on her nest. < *Forest and Stream*, vi, May 25, 1876, p. 250, fig.
1876. BALFOUR, T. G. Whimbrel [*Numenius phæopus*] in Wiltshire. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5166.
1876. "B. L." Woodcock [*Philohela minor*] in the South. < *Rod and Gun*, viii, Sept. 16, 1876, p. 389.
1876. BOYES, F. Green Sandpipers [*Totanus ochropus*] near Beverley. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5168.
1876. BOYES, F. Woodcock [*Scolopax rusticola*] migrating in July. < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5166, 5167.
1876. BREWSTER, W. Occurrence of the Curlew Sandpiper [*Tringa subarquata*] in Massachusetts. < *Bull. Nutt. Ornith. Club*, i, No. 2, July, 1876, pp. 51, 52.
1876. COOPER, J. Curious Habit of the Common Sandpiper [*Tringoides hypoleucus*]. < *Zoologist*, 2d ser., xi, Oct., 1876, pp. 5125, 5126.
1876. CORDEAUX, J. Great Snipe [*Gallinago major*] in Perthshire. < *Zoologist*, 2d ser., xi, Nov., 1876, p. 5167.
1876. COUES, E. European Woodcock [*Scolopax rusticola*] Shot in Virginia. < *Forest and Stream*, vi, Apr. 27, 1876, p. 180.  
This and the next title refer to the same instance.
1876. COUES, E. The European Woodcock [*Scolopax rusticola*] shot in Virginia. < *Am. Nat.*, x, No. 6, June, 1876, p. 372.
1876. COUES, E. The Woodcock (*Philohela minor*). < *Rod and Gun*, viii, July 8, 1876, p. 227, fig.  
From his "Birds of the Northwest." See also p. 260.
1876. "CANONICUS." Nature and Habits of the Woodcock [*Philohela minor*]. < *Rod and Gun*, viii, May 20, 1876, p. 114, and May 27, 1876, p. 134.
1876. DRESSER, H. E. On a new Species of Broadbilled Sandpiper [*Limicola sibirica*]. < *P. Z. S.*, June 20, 1876, pp. 674, 675.
1876. GATCOMBE, J. Great Snipe [*Gallinago major*] in Devon. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126.
1876. GURNEY, J. H., JR. Dunlins [*Tringa alpina*] Inland. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4802.
1876. GURNEY, J. H., JR. Woodcock's [*Scolopax rusticola*] Mode of Carrying its Young. < *Zoologist*, 2d ser., xi, Mar., 1876, p. 4844.
1876. GURNEY, J. H., JR. Bartailed Godwit [*Limosa lapponica*]. < *Zoologist*, 2d ser., xi, Aug., 1876, p. 5046.
1876. GURNEY, J. H., JR. Woodcock [*Scolopax rusticola*] migrating in July. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.
1876. GURNEY, J. H., JR. The Redshank [*Totanus calidris*] at Northrepps. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.
1876. GURNEY, J. H., JR. Green Sandpiper [*Totanus ochropus*] at Northrepps. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5083.

1876. GURNEY, J. H., JR. Green Sandpiper [*Totanus ochropus*] at Northrepps. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5125.
1876. HARTING, J. E. Bartram's Sandpiper [*Aetiturus bartramius*]. < *Rod and Gun*, viii, Apr. 29, 1876, p. 71.  
From London *Field* of Mar. 25, 1876.
1876. KERRY, F. Knot [*Tringa canutus*] and Green Sandpiper [*Totanus ochropus*] at Aldeburgh. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5053.
1876. MATHEW, G. F. Bartailed Godwit [*Limosa lapponica*]. < *Zoologist*, 2d ser., xi, Jan., 1876, p. 4764.
1876. "REX." [S. J. MILLS.] Woodcock [*Philohela minor*]. < *Rod and Gun*, viii, July 22, 1876, p. 260.  
Notes on spring voice of this species. See p. 22.
1876. RODD, E. H. Sabine's Snipe [*Gallinago sabinii*] near Penzance. < *Zoologist*, 2d ser., xi, Feb., 1876, pp. 4801, 4802.
1876. RODD, E. H. Note on Sabine's Snipe (*Scolopax* [*Gallinago*] *Sabini*). < *Zoologist*, 2d ser., xi, Nov., 1876, pp. 5142-5145.  
On its specific validity.
1876. [SCOTT, W. E. D.] A Key to our Shore Birds.—II. < *Forest and Stream*, Aug. 10, 1876.  
This second instalment of an analysis, for the use of sportsmen, of the North American *Limicolæ*, gives brief characters of all the *Scolopacidæ*.
1876. "SNIPE." Early Snipe. < *Rod and Gun*, vii, Feb. 5, 1876, p. 290.  
*Gallinago wilsoni* (?) at Baltimore Jan. 16.
1877. ANON. Woodcock [*Philohela minor*]. < *Rod and Gun*, ix, Mar. 10, 1877, p. 360.  
Its ability to endure much rigorous weather.
1877. B[RACKETT, A. E.] Jack Snipe in Colorado. < *Forest and Stream*, ix, Dec. 27, 1877, p. 397.
1877. "BOURGEOISE." Woodcock [*Philohela minor*] a la Bourgeoise. < *Forest and Stream*, viii, July 26, 1877, p. 421.
1877. [BREWER, T. M.] The Nesting of the Snipe [*Gallinago wilsoni*, in southern localities]. < *Forest and Stream*, ix, Dec. 27, 1877, p. 397. See pp. 285, 326.
1877. BREWER, T. M. The Willet [*Symphemia semipalmata*, breeding along the Atlantic coast of the United States]. < *Forest and Stream*, ix, Sept. 27, 1877, p. 144.
1877. HARTING, J. E. [Remarks on Exhibition of a variety of the common Snipe, *Gallinago media*.] < *P. Z. S.*, June 19, 1877, p. 533.  
Showing the so-called *G. sabinii* to be a melanism of this species.
1877. HUDEKOPER, E. Breeding of Wilson Snipe [*Gallinago wilsoni*, at Meadville, Pa.]. < *Forest and Stream*, ix, Nov. 29, 1877, p. 326. See p. 285.
1877. HOYT, R. D. The Woodcock [*Philohela minor*, breeding] in Florida. < *Forest and Stream*, viii, Apr. 5, 1877, p. 129. See p. 82.
1877. [MERRIAM, C. H.] Breeding of Wilson Snipe [*Gallinago wilsoni*]. < *Forest and Stream*, ix, Nov. 5, 1877, p. 285. See p. 326.  
Report of its breeding in Connecticut; from his "Review of the Birds of Connecticut," 1877, p. 105.
1877. SEVERANCE, J. A. Nomenclature [of *Gallinago wilsoni* corrected]. < *Forest and Stream*, viii, Apr. 5, 1877, p. 128.
1878. ABBOTT, C. C. The English Snipe [*Gallinago wilsoni*] in New Jersey. < *The Country*, i, Jan. 26, 1878, p. 180.  
Breeding at Trenton, N. J.; specimens supposed to have been unable, through injury, to go northward; note appended by W. E. D. Scott, doubting this explanation.
1878. "ANO." Early Birds. < *Forest and Stream*, x, Apr. 25, 1878, p. 216.  
Woodcock breeding at Painesville, Ohio, Apr. 7.

1873. [APPLETON, G. L.] A Large Woodcock [weight nine ounces]. < *Forest and Stream*, x, Mar. 14, 1878, p. 95.

It is not impossible that this and some similar records of unusually large Woodcock shot in the United States have actual reference to the European *Scolopax rusticola*.

1878. BREWER, T. M. The Stilt Sandpiper (*Micropalama himantopus*). < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 148.

Its frequent occurrence on Long Island, according to observations of G. N. Lawrence.

1878. BREWER, T. M. Eggs of the Solitary Sandpiper (*Rhyacophilus solitarius* Bp.). < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 197.

Important as being doubtless the first description of an authentic egg of this species. The supposed egg had occasionally been reported before, but never with positive identification, that of *Tringoides macularius* or *Egialitis vocifera* having been usually mistaken for it.

1878. BREWER, T. M. Notes on the Occurrence of *Micropalama himantopus* in New England. < *Proc. Bost. Soc. Nat. Hist.*, xix, for Oct. 3, 1877, pub. Jan. Feb., 1878, pp. 252-256.

This is quite an extensive paper, giving the particulars of various occurrences.

1878. BROWN, N. C. The Stilt Sandpiper (*Micropalama himantopus*) at Portland, Maine. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 102.

1878. [CHUBB, J.] Early Snipe [*Gallinago wilsoni*, at Cleveland, Ohio]. < *Forest and Stream*, x, Mar. 28, 1878, p. 135.

1878. HEAD, J. F. Breeding of the Woodcock [*Philohela minor*] in Georgia. < *Bull. Nutt. Ornith. Club*, iii, No. 3, July, 1878, p. 151.

Communicated by E. Coues; comment by W. Brewster on its breeding in Florida.

1878. "J. M. W." Woodcock [*Philohela minor*] killed by Telegraph Wires. < *Familiar Sci. and Fanciers' Journ.*, v, No. 5, May, 1878, p. 94.

1878. [WILLARD, S. L.] "4Tip-up" [*Tringoides macularius*]. < *The Oölogist*, iv, No. 3, May, 1878, pp. 22, 23.

Notice of its habits, mostly quoted from Coues's "Birds of the Northwest."

1878. WOOD-MASON, J. On the Structure and Development of the Trachea in the Indian Painted Snipe (*Rhyachaea capensis*). < *P. Z. S.*, June 18, 1878, pp. 745-751, figg. 1, 2, pl. xlvii.

Peculiarly convoluted trachea in the ♀. This sex offers reversal of secondary sexual characters and instincts—being larger and more richly colored than the ♂, having the trachea tortuous instead of simple, deputed the duty of incubation to the ♂, and doing the courting business herself. The parts in mention are figured.

1879. BREWER, T. M. The Eggs of the Curlew Sandpiper (*Tringa subarquata*). < *Bull. Nutt. Ornith. Club*, iv, No. 3, July, 1879, p. 190.

Doubtless a mistake. In *Ibis*, 1879, p. 375, Dr. Brewer makes the same statements. H. W. Feilden criticizes the statements in *Ibis*, 1879, p. 468; and the case is reviewed at length by J. E. Harting, *Zool.*, Mar., 1880, p. 104. The bird may have been *Tringa canutus* or *Phalaropus fulicarius*. Authentic eggs of *Tringa subarquata* continue to be unknown.

1879. COUES, E. Letters on Ornithology. No. 19.—The Curlews [*Numenius* spp.] of North America. < *The Chicago Field*, Apr. 26, 1879.

Matter rearranged from accounts of three species in "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 25.—The Solitary Tattler: Wood Tattler. *Totanus Solitarius*. < *The Chicago Field*, June 21, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 26.—Semipalmated Tattler, Willet, Stone Snipe. (*Totanus Semipalmatus*.) < *The Chicago Field*, June 28, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 27.—Bartramian Sandpiper or Tattler; Upland Plover. *Actitis Bartramius*. < *The Chicago Field*, July 5, 1879.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 28.—The Buff-Breasted Sandpiper. *Tryngites Rufescens*. < *The Chicago Field*, July 12, 1879, p. 348.

From "Birds of the Northwest."

1879. COUES, E. Letters on Ornithology. No. 29.—The Great Marbled Godwit, *Limosa fedoa*. < *The Chicago Field*, July 19, 1879.  
From "Birds of the Northwest."
1879. DEANE, R. Additional Captures of the Curlew Sandpiper [*Tringa subarquata*] in New England. < *Bull. Nutt. Ornith. Club*, iv, No. 2, Apr., 1879, p. 124.  
Adding two to the three previously recorded.
1879. DWIGHT, J., JR. The Stilt Sandpiper (*Micropalama himantopus*) on the New Jersey Coast. < *Bull. Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, p. 63.
1879. EDITORIAL. [F. SATTERTHWAITE.] A Plea for Woodcock [*Philohela minor*]. < *Forest and Stream*, xiii, Aug. 14, 1879, p. 550.  
Against the shooting of this species during the summer months.
1879. ELIZEY, M. G., and SQUIRE, G. R. Do Woodcock [*Philohela minor*] Breed Twice a Year? < *Forest and Stream*, xii, July 10, 1879, p. 441.  
Letters confirming the position taken by Geo. Bird Grinnell, that Woodcock do usually, in the Middle States, rear two broods each season.
1879. [GRINNELL, G. B.] Woodcock [*Philohela minor*] Breed Twice. < *Forest and Stream*, xii, May 1, 1879, p. 250.  
Defence of statement that Woodcock usually rear two broods in a season, with some of the observations on which this assertion is based.
1879. [HARTING, J. E.] On some little-known Habits of the Woodcock [*Scolopax rusticola*]. < *Zoologist*, 3d ser., iii, Nov., 1879, pp. 433-440, pl. iii.  
With special reference to the transportation of the young by the parent. The plate figures the parent flying with the young in her feet, away from the body, as a hawk would carry its prey. The text bears this out, but other passages of the same article speak of the young being pressed to the parent's body, clasped between her legs. See 1874, "A. W."
1879. J. C. H. Breeding of Woodcock [*Philohela minor*]. < *Forest and Stream*, xii, May 22, 1879, p. 307.  
Notice of the killing, on the wing, of four young woodcock, Mar. 31, 1878, at Fayetteville, N. C. (By typographical error, as noticed in the next issue of *Forest and Stream*, the note above given was dated Fayetteville, N. Y.)
1879. "PORTSA." Are Woodcock [*Philohela minor*] Nocturnal? < *Forest and Stream*, xi, Jan. 23, 1879, p. 502.
1879. SAMUELS, E. A. Wilson's Snipe. *Gallinago Wilsonii*—(Bonaparte.) < *Town and Country* (monthly newspaper of Boston, Mass.), i, No. 4, Apr., 1879, ent.  
An extended notice of the habits of this species, with sporting anecdote. Being No. 3 of a series of papers entitled "Our Game Birds."
1879. SAMUELS, E. A. The Woodcock. *Philohela minor*. < *Town and Country* (monthly newspaper of Boston, Mass.), i, No. 5, May, 1879, ent.  
Popular biographical sketch.
1879. S[TERLING], J. W. The Second Brood of Woodcock [*Philohela minor*]. < *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.
1879. YOUNG, C. H. More White Woodcock [*Philohela minor*]. < *Forest and Stream*, Apr. 10, 1879, p. 185.

## Note.

In *Ibis*, Oct., 1879, p. 453, in an article not citable under *Scolopacidae*, as it refers to various other birds, H. T. Wharton has shown that the proper specific name of the European Woodcock is *rusticola*, not *rusticola*, though the latter is almost invariably used. Though aware of this before these pages were printed, I preferred to use the latter in my brackets, as being that which the authors themselves of the various papers did or would employ.

**Recurvirostridæ.**

1835. DU BUS DE GHISIGNIES, V. B. Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers [*Leptorhynchus pectoralis*, sp. n.]. < *Bull. Acad. Brux.*, ii, 1835, pp. 419, 420, pl.  
Pas vue moi-même: le titre tiré de Carus et Englemann.
1835. DU BUS DE GHISIGNIES, V. B. Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers [*Leptorhynchus pectoralis*]. < *L'Institut*, iii, No. 103, 1835, p. 138.  
Pas vue moi-même: le titre tiré de Carus et Englemann.
1835. DUBUS [DE GHISIGNIES, V. B.] Leptorhynque. *Leptorhynchus*. Dubus. Nouveau genre d'Oiseaux de l'ordre des Échassiers. < *Guér. Mag. de Zool.*, 5<sup>e</sup> année, 1835, classe ii, notice xlv, pl. xlv.  
*Leptorhynchus pectoralis*, nuper g. sp. n., pl. 45.—Mémoire présenté à l'Acad. Roy. de Bruxelles, séance du 17 janv. 1835.
1835. DUMORTIER, —. [Rapport sur le mémoire intitulé: Description d'un nouveau genre d'Oiseaux de l'ordre des Échassiers (*Leptorhynchus pectoralis*).] < *L'Institut*, ii, 1835, pp. 72-74.  
Pas vue moi-même.
1841. GOULD, J. [Description of a New Species of Himantopus (Novæ Zelandiæ) from New Zealand.] < *P. Z. S.*, ix, 1841, p. 8.
1843. FISHER, W. R. Note on the occurrence of the Avocet [*Recurvirostra avocetta*] near Yarmouth. < *Zoologist*, i, 1843, p. 148.
1844. DU BUS [DE GHISIGNIES, V. B.] Nener Sumpfvogel, *Leptorhynchus pectoralis* aus Neuhollland. < *Oken's Isis*, Bd. xxxvii, 1844, pp. 330, 331.  
Aus d. *Bull. Acad. Roy. Bruxel.*, Bd. ii, 1835, q. v.
1844. MANSELL, T. Note on the occurrence of the Stilt Plover [*Himantopus leucocephalus*?] in New South Wales. < *Zoologist*, ii, 1844, p. 454.
1845. ROSS, F. W. L. Beak and Legs of the Avocet [*Recurvirostra avocetta*]. < *Zoologist*, iii, 1845, p. 1191.
1847. RODD, E. H. Occurrence of the Avocet [*Recurvirostra avocetta*] at the Land's End. < *Zoologist*, v, 1847, p. 1910.
1849. BENSON, H. Occurrence of the Avocet [*Recurvirostra avocetta*] near Ramsgate. < *Zoologist*, vii, 1849, p. 2455.
1849. DUFF, J. Occurrence of the Avocet (*Recurvirostra avocetta*) at the Tees Mouth. < *Zoologist*, vii, 1849, p. 2591.
1849. ELLMAN, J. B. Occurrence of the Avocet [*Recurvirostra avocetta*] in Romney Marsh. < *Zoologist*, vii, 1849, p. 2455.
1849. ELLMAN, J. B. Occurrence of the Avocet (*Avocetta recurvirostra*) in Romney Marsh. < *Zoologist*, vii, 1849, pp. 2528, 2529.
1849. GURNEY, J. H. Occurrence of the Avocet (*Avocetta recurvirostra*) near Lynn. < *Zoologist*, vii, 1849, p. 2455.
1851. HARPER, J. O. Occurrence of the Avocet (*Recurvirostra Avocetta*) at Sandwich. in Kent. < *Zoologist*, ix, 1851, p. 2989.
1851. HARPER, J. O. Occurrence of the Avocet (*Recurvirostra Avocetta*) at Yarmouth. < *Zoologist*, ix, 1851, p. 3208.
1851. SELYS-LONGCHAMPS, E. DE. Note sur la famille des Recurvirostridées. < *Bull. de l'Acad. Roy. de Bruxelles*, xviii, i, 1851, pp. 5-15.  
Pas vue moi-même: le titre tiré de la Bibl. de Carus et Englemann.

1851. SELYS-LONGCHAMPS, E. DE. Note sur la famille des Recurvirostridées. < *L'Institut*, xix, No. 913, 1851, p. 211.  
Pas vue moi-même.
1852. IRBY, L. H. Occurrence of the Avocet [*Recurvirostra avocetta*] at Yarmouth. < *Zoologist*, x, 1852, p. 3504.
1856. FOOTIT, W. F. Occurrence of the Avocet [*Recurvirostra avocetta*] near Newark. < *Zoologist*, xiv, 1856, pp. 5251, 5252.
1856. NEWMAN, E. Occurrence of the Stilt Plover (*Himantopus melanopterus*) at Bosham, in Sussex. < *Zoologist*, xiv, 1856, p. 4946.
1856. WOLLEY, G. Occurrence of the Avocet [*Recurvirostra avocetta*] in Nottinghamshire. < *Zoologist*, xiv, 1856, p. 5280.
1857. MATTHEWS, H. Occurrence of the Avocet (*Recurvirostra avocetta*) near Newark. < *Zoologist*, xv, 1857, pp. 5364, 5365.
1858. GARDNER, J. Occurrence of the Avocet (*Recurvirostra avocetta*) in Kent. < *Zoologist*, xvi, 1858, p. 5921.
1859. JÄGER, G. Herr Professor Dr. G. Jäger bespricht die Lebensweise eines Exemplars von *Recurvirostra avocetta*. < *Verh. d. k.-k. zool.-bot. Ges. Wien*, ix, 1859, pp. 98-101.
1859. KNOX, A. E. On the Habits of the Black-winged Stilt [*Himantopus melanopterus*], as observed on its occurrence in Sussex. < *Ibis*, i, 1859, pp. 395-397.
1860. KNOX, A. E. On the Habits of the Black-winged Stilt [*Himantopus melanopterus*], as observed on its occurrence in Sussex. < *Zoologist*, xviii, 1860, pp. 6979, 6980.  
From *Ibis*, i, 1859, pp. 395-397.
1864. JEFFREY, W., JR. Avocet [*Recurvirostra avocetta*] near Chichester. < *Zoologist*, xxii, 1864, p. 9211.
1867. HACKETTS, W. A. Avocet [*Recurvirostra avocetta*] in the County Cork. < *Zoologist*, 2d ser., ii, 1867, p. 635.  
From the 'Field,' Jan. 12.
1867. RAMSEY, E. P. Note on the Eggs of the Australian Stilt-Plover (*Himantopus leucocephalus*). < *P. Z. S.*, xxxv, 1867, p. 600.
1867. THOMPSON, W. Occurrence of the Avocet [*Recurvirostra avocetta*] near Weymouth. < *Zoologist*, 2d ser., ii, 1867, p. 759.
1868. TRISTRAM, H. B. [Questions distinctness of *Recurvirostra sinensis* from *R. avocetta*.] < *Ibis*, 2d ser., iv, 1868, p. 133.
1869. HART, W., and SON. Avocet [*Recurvirostra avocetta*] at Portsmouth [England]. < *Zoologist*, 2d ser., iv, 1869, p. 1562.
1870. FEILDEN, H. W. [Additional (*Ibis*, 1870, 145) information on the breeding of *Himantopus candidus*.] < *Ibis*, 2d ser., vi, 1870, p. 295.
1870. HUME, A. [O.] [On the breeding, nest, and eggs of the Indian Black-winged Stilt, *Himantopus candidus*.] < *Ibis*, 2d ser., vi, 1870, pp. 145-147.
1871. GATCOMBE, J. Avocet [*Recurvirostra avocetta*] in Cornwall. < *Zoologist*, 2d ser., vi, 1871, p. 2810.
1874. HARTING, J. E. On rare or little-known Limicolæ. [Part VI.] < *Ibis*, 3d ser., iv, 1874, pp. 241-261, pl. ix.  
Treats very fully of the species of *Recurvirostra*. The pl. represents *R. andina*.
1875. BULLER, W. L. On the Genus *Himantopus* in New Zealand. < *Trans. and Proc. New Zealand Inst. for 1874*, vii, 1875, pp. 220-224.  
Treats of *H. H. leucocephalus, novæ-zealandiæ*, and *albicollis*, the latter sp. n., p. 224.
1875. GURNEY, J. H., JR. Plumage of the Stilt [*Himantopus candidus*]. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4697.
1876. WARREN, R. Avocet [*Recurvirostra avocetta*] in Ireland. < *Zoologist*, 2d ser., xi, Jan., 1876, pp. 4764, 4765.

### Phalaropodidæ.

1758. EDWARDS, G. An Account of a new-discovered Species of the Snipe or *Tringa* [i. e., *Phalaropus fulicarius*]. < *Philos. Trans. for 1757*, I, pt. i, 1758, pp. 255-257, pl. vi.  
 "Grey Coot-footed *Tringa*" = *Phalaropus fulicarius* of later authors. The plate also illustrates the bill of the Red-necked Phalarope, *Lobipes hyperboreus* of systematists.
1807. SIMMONDS, T. W. Observations respecting a Species of Phalarope, and some other rare British Birds. < *Trans. Linn. Soc.*, viii, 1807, pp. 264-269.  
*Phalaropus williamsii*, p. 264, sp. n. [It is *Lobipes hyperboreus*.]
1832. ALLIS, T. Grey Phalarope [*Phalaropus fulicarius*, near York, England]. < *London's Mag. Nat. Hist.*, v, 1832, p. 589.
1832. COUCH, J. The Grey Phalarope [*Phalaropus fulicarius*, in Great Britain]. *London's Mag. Nat. Hist.*, v, 1832, pp. 729, 730.
1832. JORDAN, W. R. Notes on the Gray Phalarope (*Tringa lobata*, Lin. [*Phalaropus fulicarius*]). < *London's Mag. Nat. Hist.*, v, 1832, p. 282.
1833. SCOULER, J. Grey Phalarope [*Phalaropus fulicarius*, in Scotland]. < *London's Mag. Nat. Hist.*, vi, 1833, p. 515.
1846. COOPER, J. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Preston. < *Zoologist*, iv, 1846, p. 1552.
1846. GURNEY, J. H. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] in Norfolk. < *Zoologist*, iv, 1846, p. 1552.
1846. MURCH, E. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Honiton. < *Zoologist*, iv, 1846, p. 1552.
1846. RODD, E. H. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] near Penzance. < *Zoologist*, iv, 1846, p. 1552.
1847. BEADLES, J. N. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] at Mitcheldean. < *Zoologist*, v, 1847, p. 1697.
1847. GOATLEY, T. Occurrence of the Gray Phalarope (*P. lobatus* [*Phalaropus fulicarius*]), near Chipping Norton. < *Zoologist*, v, 1847, p. 1640.
1847. HUNTER, C. B. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] at Wretham. < *Zoologist*, v, 1847, p. 1640.
1850. LEWINS, R. Occurrence of the Grey Phalarope (*Phalaropus lobatus* [*fulicarius*]) in Northumberland. < *Zoologist*, viii, 1850, p. 2853.
1851. ELLMAN, J. B. Occurrence of the Red-necked Phalarope (*Phalaropus* [*Lobipes*] *hyperboreus*) at Lewes. < *Zoologist*, ix, 1851, p. 3035.
1852. GURNEY, S., JR. Occurrence of the Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) at Carshalton. < *Zoologist*, x, 1852, p. 3331.
1853. HUSSEY, A. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] at Rottingdean. < *Zoologist*, xi, 1853, pp. 4096, 4097.
1854. GLOGER, C. W. L. Das eigenthümliche Brüt-Verhältniss der Wassertreter (*Phalaropus*) und seine Analogie. < *J. f. O.*, ii, 1854, pp. 89-91.
1854. RODD, E. H. Occurrence of the Red-necked Phalarope [*Lobipes hyperboreus*] near Penzance. < *Zoologist*, xii, 1854, p. 4526.
1854. MYLNER, W. M. E. Red-necked Phalarope [*Lobipes hyperboreus*] killed near York. < *Zoologist*, xii, 1854, p. 4441.



1860. DUNN, J. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in Orkney. < *Zoologist*, xviii, 1860, p. 6812.
1860. RODD, E. H. Occurrence of the Red Phalarope [*Phalaropus fulicarius*] at Scilly. < *Zoologist*, xviii, 1860, p. 7236.
1860. WILLIAMS, D. Occurrence of the Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) at Swausea. < *Zoologist*, xviii, 1860, p. 6891.
1862. ROGERS, H. Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in the Isle of Wight. < *Zoologist*, xx, 1862, p. 8283.
1863. DUTTON, J. The Gray Phalarope [*Phalaropus fulicarius*] at Brighton. < *Zoologist*, xxi, 1863, p. 8331.
1863. JEFFERY, W., JR. The Rednecked Phalarope [*Lobipes hyperboreus*] near Chichester. < *Zoologist*, xxi, 1863, p. 8828.
1863. KERR, J. Gray Phalarope [*Phalaropus fulicarius*] near Greenock. < *Zoologist*, xxi, 1863, p. 8828.
1863. STEVENSON, H. The Gray Phalarope (*Phalaropus platyrhynchus* [*fulicarius*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8331.
1864. OSBORNE, H., JR. Gray Phalarope [*Phalaropus fulicarius*] in Caithness. < *Zoologist*, xxii, 1864, p. 8890.
1866. BLAKE-KNOX, H. Gray Phalarope [*Phalaropus fulicarius*] in Dublin Bay. < *Zoologist*, 2d ser., i, 1866, pp. 500, 501.
1866. DUTTON, J. Gray Phalarope [*Phalaropus fulicarius*] at Eastbourne. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. DUTTON, J. Gray Phalarope [*Phalaropus fulicarius*] at Eastbourne, &c. < *Zoologist*, 2d ser., i, 1866, p. 525.
1866. HESSE, B. Gray Phalarope [*Phalaropus fulicarius*] in Hackney Marshes. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. KIRBY, H. T. M. Gray Phalarope [*Phalaropus fulicarius*] at Mayfield. < *Zoologist*, 2d ser., i, 1866, p. 499.
1866. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] at Weston-super-Mare and at Budeleigh Salterton. < *Zoologist*, 2d ser., i, 1866, pp. 499, 500.
1866. RODD, E. H. Red Lobefoot [Rednecked Phalarope] [*Lobipes hyperboreus*] at Scilly. < *Zoologist*, 2d ser., i, 1866, p. 501.  
Brackets in original title around the words "Rednecked Phalarope".
1867. GUNN, T. E. The Gray Phalarope [*Phalaropus fulicarius*] in Norfolk. < *Zoologist*, 2d ser., ii, 1867, p. 1016.
1867. GURNEY, J. H., JR. A Summary of the Occurrences [about 250 specimens] of the Grey Phalarope [*Phalaropus fulicarius*] in Great Britain during the Autumn [Aug. 20–Oct. 8] of 1866. By J. H. Gurney, jun. London: 1867. 8vo. pamph. pp. 24, map.  
Not seen.—Cf. *Zoologist*, s. s., pp. 917–919; *Ibis*, 1868, p. 101.
1867. HAWKER, T. A. Gray Phalarope [*Phalaropus fulicarius*] at Shoreham. < *Zoologist*, 2d ser., ii, 1867, pp. 561, 562.
1867. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] at Barnstaple. < *Zoologist*, 2d ser., ii, 1867, p. 562.
1868. GUNN, T. E. Rednecked Phalarope [*Lobipes hyperboreus*] in Norfolk. < *Zoologist*, 2d ser., iii, 1868, p. 1482.
1869. GATCOMBE, J. Rednecked Phalarope [*Lobipes hyperboreus*] in the Neighbourhood of Plymouth. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1869. PRESTON, T. A. Rednecked Phalarope [*Lobipes hyperboreus*] at Marlborough. < *Zoologist*, 2d ser., iv, 1869, p. 1951.

1869. WONFOR, T. W. Gray Phalarope [*Phalaropus fulicarius*] in Sussex. < *Zoologist*, 2d ser., iv, 1869, p. 1920.
1870. BLAKE-KNOX, H. Gray Phalaropes [*Phalaropus fulicarius*] in County Dublin. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. BROWNE, A. M. Gray Phalarope [*Phalaropus fulicarius*] in Wales. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. GOATLEY, T. H. Gray Phalarope [*Phalaropus fulicarius*] near Southampton. < *Zoologist*, 2d ser., v, 1870, p. 2355.
1870. HARTING, J. E. On the Immigration of the Gray Phalarope (*Phalaropus fulicarius*) and the Recent Occurrence of this Species in Sussex. < *Zoologist*, 2d ser., v, 1870, pp. 1972-1975.  
Extracted from 'The Field' of Nov. 13, 1869.
1870. MATHEW, M. A. Gray Phalaropes [*Phalaropus fulicarius*] in North Devon: Moulting of Birds. < *Zoologist*, 2d ser., v, 1870, pp. 2385, 2386.
1870. MATHEW, M. A. Abundance of the Gray Phalarope [*Phalaropus fulicarius*]. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. SMITH, CECIL. Gray Phalaropes [*Phalaropus fulicarius*] in Somerset. < *Zoologist*, 2d ser., v, 1870, p. 2410.
1870. SMITH, CECIL. Gray Phalarope [*Phalaropus fulicarius*] at Bishops Lydeard. < *Zoologist*, 2d ser., v, 1870, p. 2355.
1871. BALKWILL, F. H. Phalaropes [*Phalaropus* —] in Plymouth Sound. < *Zoologist*, 2d ser., vi, 1871, pp. 2442, 2443.
1871. BRYDGES, H. J. J. Gray Phalarope [*Phalaropus fulicarius*] at Boultribrook. < *Zoologist*, 2d ser., vi, 1871, p. 2552.
1871. SMITH, CECIL. Bird-batting. < *Zoologist*, 2d ser., vi, 1871, p. 2438.  
Capture of *Phalaropus fulicarius*.
1871. SMITH, CECIL. Gray Phalarope [*Phalaropus fulicarius*] near Taunton. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1871. STUBBS, C. E. Gray Phalarope [*Phalaropus fulicarius*] near Henley-on-Thames. < *Zoologist*, 2d ser., vi, 1871, p. 2442.
1873. BOYES, F. Rednecked Phalarope [*Lobipes hyperboreus*] in East Yorkshire. < *Zoologist*, 2d ser., viii, 1873, p. 3371.
1873. CORBIN, G. B. Gray Phalarope [*Phalaropus fulicarius*, on the Hampshire coast] and Pike. < *Zoologist*, 2d ser., viii, 1873, p. 3492.
1873. MATHEW, M. A. Gray Phalarope [*Phalaropus fulicarius*] in Winter Plumage. < *Zoologist*, 2d ser., viii, 1873, p. 3454.
1874. NORGATE, F. Rednecked Phalarope [*Lobipes hyperboreus*] at Salthouse, Norfolk. < *Zoologist*, 2d ser., ix, 1874, p. 4159.
1874. CLARK-KENNEDY, A. J. Gray Phalarope [*Phalaropus fulicarius*] in Cheshire. < *Zoologist*, 2d ser., ix, 1874, p. 4239.
1874. CLOGG, S. Gray Phalarope [*Phalaropus fulicarius*] in Cornwall. < *Zoologist*, 2d ser., ix, 1874, p. 4239.
1875. WHITAKER, J. Gray Phalarope [*Phalaropus fulicarius*] in Nottinghamshire. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4342.
1876. A[LLEN], J. A. Field and Forest. < *Bull. Natl. Ornith. Club*, i, No. 3, Sept., 1876, p. 71.  
Notice of this periodical, Vol. II, No. 1, the only ornithological article it contains being on *Steganopus wilsoni*. See 1876, KUMLEIN, A. L.
1876. GATCOMBE, J. Early Occurrence of the Gray Phalarope [*Phalaropus fulicarius*] in Devon. < *Zoologist*, 2d ser., xi, Sept., 1876, pp. 5083, 5084.

1876. KUMLEIN, A. L. On the Habits of *Steganopus wilsoni*. < *Field and Forest*, ii, No. 1, July, 1876, pp. 11, 12.
1876. NICHOLLS, R. P. Gray Phalarope [*Phalaropus fulicarius*] near Kingsbridge. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4802.
1877. NELSON, E. W. A Contribution to the Biography of Wilson's Phalarope [*Steganopus wilsoni*]. < *Bull. Natl. Ornith. Club*, ii, No. 2, Apr., 1877, pp. 38-43.  
Very full on its habits, especially on its breeding.
1878. COUES, E. The Northern Phalarope [*Lobipes hyperboreus*] in North Carolina. < *Bull. Natl. Ornith. Club*, iii, No. 1, Jan., 1878, pp. 40, 41.
1878. MURDOCH, J. Phalarope,—An Etymological Blunder. < *Bull. Natl. Ornith. Club*, iii, No. 3, July, 1878, pp. 150, 151.

Contents that the word should be written *Phalaridopus*, being from *φαλαρίς*, gen. -ίδος, "a coot", and *πούς*, "foot", not the adj. *παλᾶρος*, "white", as "Phalaropus" would seem to indicate. "Nevertheless," as the writer, who has well taken his point, continues, "the name has served so long as a distinguishing mark of the genus, that it would be by no means advisable to attempt to make an exchange for the etymologically correct form"; especially as the form "Phalaropus" represents no very great degree of contraction. Moreover, as the writer does not state, *φαλαρίς*, a coot, and *παλᾶρος*, bright, white, shining, or otherwise conspicuous, are etymologically the same, the former substantive being derived from the latter adjective and having been applied to the bird because of its conspicuously colored bill; there being this additional reason for not insisting upon the change. Brisson certainly invented "Phalaropus" to mean "coot-footed," but the *φάλαρα* of the Greeks were any ornaments with which a thing might be furnished, as the gems of a tiara, the studs of a helmet, the caparisons of a horse, etc.; and "Phalaropus" is therefore not so far out of the way after all, for a bird whose feet are remarkably "ornamented" or appendaged.

1878. WILLISTON, S. W. On the adult male plumage of Wilson's Phalarope. (*Steganopus Wilsoni* Sab.) < *Trans. Kansas Acad. Science for 1877-8*, vi, 1878, p. 39.  
"What has hitherto been considered the young plumage of this bird, has been confounded with [that of] the adult male." Description follows, with other remarks.

### Heliornithidæ.

1840. BRANDT, J. F. Einige Bemerkungen über Podoa und ihr Verhältniss zu Fulica, Podiceps und den Steganopoden. < *Mém. de l'Acad. St.-Pétersb.*, vi sér., v tome, ii pte., *Sc. Nat.*, iii, 1840, pp. 197-202, pll. xi, xii.  
A subtitle, being the third part of his series entitled: Beiträge zur Kenntniss der Naturg. Vögel u. s. w.—*Podoa* is associated with *Fulica*, in the order *Natatores*.
1848. GRAY, G. R. Description of a new species of Podica [*P. personata*]. < *P. Z. S.*, xvi, 1848, p. 90.
1849. GRAY, G. R. Description of a new species of Podica [*P. personata*]. < *Ann. Mag. Nat. Hist.*, 2d ser., iii, 1849, pp. 311, 312.  
From *P. Z. S.*, June 13, 1848, p. 90.
1861. GIEBEL, C. G. Ueber Podoa surinamensis. < *Zeitsch. f. d. gesammt. Naturwiss.*, xviii, 1861, pp. 424—.  
Nicht mir selbst zugänglich.—Enthaltend anatomisches.
1867. SCHLEGEL, H. Urinatores < *Mus. Hist. Nat. Pays-Bas*, 9<sup>e</sup> livr., avril 1867, pp. 1-52.  
This group, as made up by the author, consists of the five families *Spheniscidæ*, *Alcidæ*, *Colymbidæ*, *Podicipidæ*, and *Heliornithidæ*, of three of which only a single genus is admitted. *Spheniscus*, 12 species.  
In the *Alcidæ*, with 3 genera, are treated of *Alca*, 9 spp.; *Simorhynchus*, 6 spp.; *Lunda*, 3 spp. *Colymbus*, with 3 spp. *Podiceps*, with 12 spp. *Heliornis*, with 3 spp.

# **Parridæ.**

1832. GEOFFROY ST.-HILAIRE, ISID. Jacana, Parra. Lin. < *Guér. Mag. de Zool.*, 2<sup>e</sup> année, 1832, classe ii, notice vi, pl. vi.

*Parra albinuca* [sic], pl. vi, sp. n.; Madagascar. [*Metopodius*.]

1856. SCLATER, P. L. On the species of the American genus Parra. < *P. Z. S.*, xxiv, 1856, pp. 282, 283.

The American birds of the genus *Parra*, with their Old World representatives of the genera *Metopodius*, *Hydrallector*, and *Hydrophasianus*, are considered to constitute a natural group related to the *Rallidæ*, but remarkable for the extreme elongation of the toes. The article is a synopsis of five spp., with synonymy, diagnosis, and habitat: 1, *P. jacana*, L. 2, *P. intermedia*, Bp., sp. n., p. 282, Venezuela. 3, *P. melanopygia*, sp. n., p. 283, New Grenada. 4, *P. hypomelena*, Gr. & Mitch. 5, *P. gymnostoma*, Wagl.

1857. SCLATER, P. L. On the Species of the American genus Parra. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, pp. 410, 411.

From *P. Z. S.*, July 8, 1856, pp. 282, 283, *q. v.*

1864. GOULD, J. Description of the Egg of Parra gallinacea [*Hydrallector cristata*]. < *P. Z. S.*, Dec. 13, 1864, p. 661.

1865. GOULD, J. Description of the Egg of Parra gallinacea [*Hydrallector cristata*]. < *Ann. Mag. Nat. Hist.*, 3d ser., xvi, 1865, p. 70.

From *P. Z. S.*, Dec. 13, 1864, p. 661.

**Rallidæ.**

[Including *Gallinula*, *Fulica*, *Aramus*, *Notornis*, *Aphanapteryx*, etc.]

1717. LIMPRECT, J. A. De *Fulica recentiorum minore* Gesneri. < *Ephem. Acad. Nat. Cur.*, Cent. 5 et 6, 1717, pp. 212-217.  
Haud mihi cognitus: titulus e Caro et Engelm.
1721. HOFFMANN, M. De *Fulica dissecta*. < *Ephem. Acad. Nat. Cur.*, Cent. 9 et 10, 1721, App., pp. 469, 470.  
Non mihi obviis: titulus e Caro et Engelm.
1734. PERRAULT, C. Description anatomique d'une Poule Sultane [Porphyrio]. < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusqu. 1699, iii, pt. iii, 1734, pp. 50-57, pll. 11, 12.
- 1744-50. HASSELQUIST, F. *Fulica*. Linnæi Syst. Nat. p. 28. < *Acta Reg. Soc. Sci. Upsal.*, v, 1744-50, pp. 22, 23.  
Haud mihi obvia.
1757. PERRAULT, C. Anatomische Beschreibung einer Sultanshenne [Porphyrio]. < *Abhandl. Königl. Französisch. Akad.*, ii, 1757, pp. 277-—.  
Mir nicht zugänglich.—Tentsch. Übers. d. *Mém. de l'Acad. Paris*, iii, pt. iii, 1734, p. 50.
1813. LJUNGH, S. I. En ny Fogel, *Rallus Paykullii*, beskrifven. < *Kongl. Vetensk. Acad. Handl.*, 1813, pp. 258-260, pl. v.
1817. BARTON, B. S. Some Account of the *Tantalus Ephouskyea* [sp. n.], a rare American Bird. < *Trans. Linn. Soc.*, xii, pt. i, 1817, pp. 24-27, pl. i.  
This is the "Crying-bird" of Bartram, *Trav. in Fla.*, ed. of 1791, p. 147, "*Tantalus pictus*," *ibid.*, p. 293 = *Aramus giganteus* Bp. = *A. pictus*, Coues, *Pr. Phila. Acad.*, 1875, p. 354.
1821. FLEMING, J. On the Water-Rail [*Rallus aquaticus*]. < *Mem. Wernerian Nat. Hist. Soc.*, iii, 1821, pp. 174-182. (Read Nov., 1819.)  
Notes a spine on the wing of *Rallus aquaticus*, and consequently associates the genus with *Parra* and *Palamedea*. Monographic account of the species, followed by a synoptical view of the British species of *Rallus*, *Ortygometra*, *Gallinula*, and *Fulica*.
1823. MORRISON, —. Hybernation of the Corncrake (*Rallus Crex* [*Crex pratensis*]). < *Edinb. Philos. Journ.*, viii, 1823, pp. 414, 415.  
Three individuals stated to have been found torpid in a heap of manure.
1829. "B." *Rallus aquaticus*. < *London's Mag. Nat. Hist.*, ii, 1829, p. 302.  
Complaint of the figure given, *op. cit.*, i, p. 289.
1830. ANON. Spur on the wing of the *Rallus Crex* [*Crex pratensis*]. < *Edinb. New Philos. Journ.*, viii, 1830, p. 204.  
See above, 1821, FLEMING, J.
1831. BREHM, C. L. Die kleinen europäischen Rohrhubner [*Porzana* spp.]. < *Oken's Isis*, Bd. xxiv, 1831, pp. 705-710.  
*Gallinula minuta* Br.; *G. minutissima*, Pethényi und Brehm. Vergleichung der *G. pusilla* und *G. minutissima*.
1832. "A. B." A white Water-Rail [*Rallus aquaticus*]. < *London's Mag. Nat. Hist.*, v, 1832, p. 384.
1832. ALLIS, T. Food of the Water Rail (*Rallus aquaticus* Linn.). < *London's Mag. Nat. Hist.*, v, 1832, p. 732.
1832. ANON. The Gallinule (*Gallinula chloropus* Latham), a Percher, and excellent for Food. < *London's Mag. Nat. Hist.*, v, 1832, pp. 331, 382.
1832. "A. R. Y." The Gizzard of the Corncrake (*Rallus crex* L., *Ortygometra crex* Fleming [*Crex pratensis*]). < *London's Mag. Nat. Hist.*, v, 1832, pp. 731, 732.

1832. BLACKWALL, J. Descriptions of two Birds, hitherto uncharacterized, belonging to the Genera *Crex* and *Rallus*. < *Edinb. Journ. Sci.*, n. s., vi, 1832, pp. 77, 78.  
*C. pygmæa*, p. 77, North America; *Rallus bicolor*, p. 78, Brazil? [The former is *Porzana jamaicensis*.]
1832. BREE, W. T. The Gallinule (*Gallinula chloropus* Latham) a Percher and good for Food. < *London's Mag. Nat. Hist.*, v, 1832, p. 730. With note by "J. D[enison]."
1832. DOVASTON, J. F. M. The *Rallus Crex* [*Crex pratensis*], or Cornerake. < *London's Mag. Nat. Hist.*, v, 1832, pp. 298, 299.  
 Characters of its gizzard.
1832. "E. P. T." Is the Water Rail (*Rallus aquaticus*) migratory or not? < *London's Mag. Nat. Hist.*, v, 1832, p. 397.
1832. G[OATLEY], T. Is the Water Rail (*Rallus aquaticus* Linn.) migratory or not? < *London's Mag. Nat. Hist.*, v, 1832, pp. 732, 733.  
 Yes.
1832. "H. B." The Waterhen (*Gallinula chloropus* Latham), when disturbed on its Eggs, covers them before it leaves them. < *London's Mag. Nat. Hist.*, v, 1832, p. 731.
1832. K[NOX], T. The Water Rail (*Rallus aquaticus*, p. 68.). < *London's Mag. Nat. Hist.*, v, 1832, p. 299.  
 Nature of its food.
1832. K[NOX], T. The Spotted Gallinule (*Gallinula Porzana* Latham [*Porzana maruetta*]). < *London's Mag. Nat. Hist.*, v, 1832, p. 731.
1832. K[NOX], T. Does the Landrail or Cornerake (*Ortygometra Crex* Flem. [*Crex pratensis*]) breed in the South of England? < *London's Mag. Nat. Hist.*, v, 1832, p. 732.  
 Yes.
1833. "RUSTICUS." [NEWMAN, E.] "The Daker" is a Name for the Cornerake [*Crex pratensis*]. < *London's Mag. Nat. Hist.*, vi, 1833, p. 279.
1834. "J. M. B." A Second Brood of Waterhens adopted and catered for by the Individuals of the First Brood. < *London's Mag. Nat. Hist.*, vii, 1834, pp. 244, 245.
1835. BLACKWALL, J. Zwei neue Vögel [*Crex pygmæa* und *Rallus bicolor*]. < *Oken's Isis*, Bd. xxviii, 1835, p. 316.  
 Auszug aus *Edinb. Journ. Sci.*, neue Folge, Bd. vi, 1832, pp. 77, 78.
1838. SMITH, J. Nest and Eggs of the Water Rail (*Rallus aquaticus*). < *Annals of Nat. Hist.*, ii, 1838, p. 78.
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- This memoir includes representatives of several families of other authors. *Gruidæ*, 12 spp. in the single genus *Grus*; *Aramus*, 1 spp.; *Rallus*, 11 spp.; *Aramides*, 5; *Rallina*, 10; *Hypotenidia*, 4; *Crex*, 6; *Himantornis*, 1; *Porzana*, 14; *Gallinula*, 14; *Porphyrio*, 8; *Fulica*, 5; *Parra!*, 8; *Palamedea!*, 3; *Ocydromus*, 2; *Eurypyga!*, 1.
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Cf. especially *Ibis*, 1868, pp. 480-482; F. C. Noll, *Zool. Gart.*, 1868, p. 282; A. Milne-Edwards, *Ann. Sci. Nat. Zool.*, 5<sup>e</sup> sér., x, pp. 325-346; *Ibis*, 1869, pp. 256-275; A. Newton, *Zool. Rec.*, v, p. 103. Contains full list of Dodo literature since Strickland's account. Not seen by me.—Cf. the original paper on *Aphanapteryx*, *J. f. O.*, 1868, pp. 138-140.
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A very complete memoir, treating of 48 spp. of 10 genera of 3 subfamilies, with synonymy, diagnosis, geographical distribution, and criticism. To *Ralline* are assigned *Rallus* with 8

1868. SCLATER, P. L., and SALVIN, O.—Continued.  
 spp., *Aramides* with 7, *Porzana* with 18 (under the 7 subgenera *Porzana*, *Rufirallus*, *Laterirallus*, *Crybastus*, *Creciscus*, *Coturnicops*, and *Neocrex* (subg. n., p. 450)), *Crex* and *Thyrorhina* (g. n., p. 458) with 1 each. The *Fulicine* embrace 4 genera, *Porphyrio* and *Porphyriops* with 2 spp. each, *Gallinula* with 1, and *Fulica* with 7. *Heliornithine* are also included, with 1 sp.—*Porzana terraudi*, p. 452, pl. xxxv; *P. castaneiceps*, p. 453; *P. haurwelli*, p. 453, spp. nn. (p. 105, pl. 53 of *Exot. Ornith.* quoted for the last named). The heads of several species (*Thyrorhina*, the *Gallinule*, and the *Coots*) are figured on the woodcuts.
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1869. MILNE-EDWARDS, A. Researches into the Zoological Affinities of the Bird recently described by Herr von Frauenfeld under the name of *Aphanapteryx imperialis*. < *Ibis*, 2d ser., v, 1869, pp. 256-275, pl. vii, woodc. figg. 1-8.  
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 "This paper is distinct from another published in (*Ann. Sc. Nat.*, 5<sup>e</sup> sér., x, pp. 325-346, pls. 15-18) though, being written about the same time and the same materials, their similarity is at first sight obvious, and the plate is the same in both after the facsimile in Ritter von Frauenfeld's work (*Zool. Rec.*, v, p. 103); but this paper contains woodcuts, from Strickland's 'Dodo and its Kindred,' of Van den Broeck's and Herbert's figures of the bird. By means of the bones found in Mauritius by Mr. Edward Newton, the author makes out the affinities of this extinct form, which, he says, should bear the name of *A. broeckii* (Schlegel), and holds the place by the side of *Ocydromus* which that does to the more normal *Rallidæ*."—*Zool. Rec.*
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**Psophiidae.**

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Mœurs et habitudes.

**Cariamidae.**

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Nicht mir selbst zugänglich.—Vergl. Sund., *Tent.*, 1873, p. 111; Parker, *M. Mus. Journ.*, 1873, p. 45.
1854. CABINIS, J. Abhandlungen der Naturforschenden Gesellschaft zu Halle; I. Band, I. Quartal. < *J. f. O.*, ii, 1854, pp. 67, 68.  
Grösstentheils eine Notiz über Burmeister's „Beiträge zur Naturgeschichte des Seriam.“
1857. BARRON, C. Note on the Osteology of Cariama [Dicholophus cristatus]. < *Zoologist*, xv, 1857, p. 5428.
1860. HARTLAUB, G. On a New Form of Grallatorial Bird nearly allied to the Cariama (Dicholophus cristatus). < *P. Z. S.*, xxviii, 1860, pp. 334-336.  
*Dicholophus burmeisteri*. See Burm., *Reise*, 1861, p. 66.
1860. HARTLAUB, G. On a [lately] New Form of Grallatorial Bird nearly allied to the Cariama (Dicholophus cristatus). < *Ann. Mag. Nat. Hist.*, 3d ser., vi, 1860, pp. 451, 452.  
*D. burmeisteri*. From *P. Z. S.*, June 26, 1860, pp. 334-336.
1872. GÜNTHER, A. Note on a Deformed Example of Cariama [Dicholophus] cristata. < *Ann. Mag. Nat. Hist.*, 4th ser., x, 1872, pp. 67, 68.

**Palameideidæ.**

1797. GEOFFROY ST.-HILAIRE, É. Sur les genres Psophia et Palamedea de Linné.  
 < *Millin, Magas. Encycl.*, iii, iv, 1797, pp. 10-12; *Bull. Sc. Soc. Philom.*, i, ii, 1797,  
 pp. 50, 51.  
 Pas vu moi-même—le titre tiré de la *Bibl.* de Carus et Engelmann.
1842. MARTIN, W. [Notes on the Habits of the Horned Screamer (Palamedea cornuta,  
 Linn.)] < *P. Z. S.*, x, 1842, pp. 15, 16.
1843. MARTIN, W. [Zur Lebensweise von Palamedea cornuta.] < *Froriep's Neue Noti-  
 zen*, xxv, No. 545, 1843, pp. 259-261.  
 Not seen. From *P. Z. S.*, 1842, pp. 15, 16.
1845. GRAY, G. R. [Chauna derbiana, sp. n.] < *Gray & Mitch. Gen. B.*, Jan., 1845, pl.  
 160.
1863. PARKER, W. K. On the Systematic Position of the Crested Screamer (Palamedea  
 chavaria). < *P. Z. S.*, xxxi, 1863, pp. 511-518.  
 "Probably one of the nearest relatives of the marvellous *Archaeopteryx*."
1863. SCLATER, P. L. [On Chauna "chavaria" from New Grenada, afterward *C.*  
*nigricollis*.] < *P. Z. S.*, 1863, pp. 377, 378.  
 Not a separate paper. See *P. Z. S.*, 1864, p. 74.
1863. SCLATER, P. L. [On Chauna "derbiana", afterward *C. nigricollis*.] < *Illus-  
 trated London News*, Oct. 3, 1863, fig.  
 Not seen. The bird called *C. chavaria* in *P. Z. S.*, 1863, p. 377, and here figured as *C. derbi-  
 ana*, afterward became type of *C. nigricollis*, *P. Z. S.*, 1864, p. 75.
1864. CRISP, E. On the Visceral Anatomy of the Screamer (Chauna chavaria [nigri-  
 collis]). < *P. Z. S.*, Jan. 12, 1864, pp. 14-16.  
 Also on the history and habits of the species. The bird here described is said to be that  
 afterward named *C. nigricollis* by Sclater, *tom. cit.*, p. 75, pl. xi, = *derbiana*.
1864. PARKER, W. K. On the Systematic Position of the Crested Screamer [Pala-  
 medea chavaria]. < *Ann. Mag. Nat. Hist.*, 3d ser., xiv, 1864, pp. 141-150.  
 From *P. Z. S.*, Dec. 8, 1863, pp. 511-518.
1864. SCLATER, P. L. On the Species of the Genus Chauna. < *P. Z. S.*, xxxii, 1864,  
 pp. 74-76, pl. xi.  
 The writer here distinguishes three spp. of the genus—*CO. chavaria*, *derbiana*, and *nigri-  
 collis*, sp. n., p. 75, pl. xi: the latter being that called *C. derbiana* in *Illust. Lond. News*, Oct.  
 3, 1863, and *C. chavaria* in *P. Z. S.*, 1863, p. 377, and 1864, p. 14. See *P. Z. S.*, 1866, p. 369.
1866. MOORE, T. J. On the Habitat of the Derbyan Crested Screamer (Chauna der-  
 biana, G. R. Gray). < *P. Z. S.*, xxxiv, 1866, pp. 368, 369.  
 Probably the "low and swampy parts of New Granada."
1866. SCLATER, P. L. Note on Chauna nigricollis. < *P. Z. S.*, xxxiv, 1866, pp. 369, 370.  
 Here finally identified with *C. derbiana*.
1866. SCLATER, P. L. [Remarks upon exhibition of a specimen of Chauna derbiana  
 from Trinidad.] < *P. Z. S.*, xxxiv, 1866, p. 417.  
 The "*Palamedea cornuta*" of Léotaud, *Ois. Trin.*, p. 488, suspected to be this species.
1876. GARROD, A. H. On the Anatomy of Chauna derbiana, and on the Systematic  
 Position of the Screamers (Palameideidæ). < *P. Z. S.*, Feb. 1, 1876, pp. 189-200,  
 pll. xii-xv, figg. 1-4.  
 A very important paper, in which the structure of the genus, here largely detailed, is taken  
 as the guide to its classification. The author concludes that the family cannot be kept among  
 the Anserine birds, where Flower had placed it. "In the windpipe and the form of the  
 angle of the jaw, they no doubt closely approach them. In their alimentary canal they are  
 much nearer to *Struthio* and *Rhea* (not *Dromas* and *Casuarus*) than to any other birds. There  
 is a Ciconine tendency in their myology, whilst their osteology points in no special direction.  
 It seems, therefore, to me that, summing these results, the Screamers must have sprung  
 from the primary avian stock as an independent offshoot at much the same time as did most  
 of the other important families." On the species treated, cf. *P. Z. S.*, 1863, p. 511; 1867, p.  
 415; 1874, p. 117.

### Opisthocomidæ.

1785. SONNINI DE MANONCOUR, C. N. S. Du Sasa [*Opisthocomus cristatus*], Oiseau de la Guyane. < *Journ. de Physique*, xxvii, 1785, pp. 222-224.  
Pas vu moi-même: le titre tiré de la *Bibl.* de Carus et Engelmann.
1787. SONNINI DE MANONCOUR, C. N. S. Ueber den Sasa [*Opisthocomus cristatus*], einen Vogel aus Guiana. < *Licht. u. Voigt's Magaz.*, 3d ser., iv, 1787, pp. 45-50.  
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann, *Bibl.*
1852. DEVILLE, É. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Monches, suivies de quelques notes anatomiques et de mœurs sur l'Hoazin [*Opisthocomus cristatus*], le Caurale, et le Savacou. < *Rev. et Mag. de Zool.*, iv, 1852, pp. 208-226, pl. 9.  
Sur l'organisation et les mœurs de l'Hoazin, pp. 217-222, pl. 9.
1852. DEVILLE, É. Observations faites en Amérique sur les mœurs de différentes espèces d'Oiseaux-Monches, suivies de quelques Notes sur l'organisation et les mœurs du Caurale, de Savacou et de l'Hoazin [*Opisthocomus cristatus*]. < *Compt. Rend. de l'Acad. Sci.*, xxxiv, 1852, pp. 652-654.  
Extraites par l'auteur. Ici la quatrième et principale partie de ses "Observations," sur l'anatomie de l'Hoazin.
1870. CABANIS, J. [Eier des *Opisthocomus cristatus*.] < *J. f. O.*, xviii, 1870, pp. 318, 319, pl. i, fig. 3.
1873. PERRIN, J. B. Note on the Myology of *Opisthocomus cristatus*. < *P. Z. S.*, 1873, p. 685.
1879. GARROD, A. H. Notes on Points in the Anatomy of the Hoatzin (*Opisthocomus cristatus*). < *P. Z. S.*, Feb. 4, 1879, pp. 109-114, figg. 1, 2, and diagram.  
Important. *Opisthocomus* must be either considered Gallinaceous or form a group by itself; hardly possible to include it with *Gallinæ*, though it resembles them closely, as it also does *Cuculidæ*, and is not far removed from *Musophagidæ*.

**Eurypygidæ.**

1781. [PALLAS, P. S.] Beschreibung der sogenannten surinamischen Sonnen-reygers [Ardea (Eurypyga) helias, sp. n.]. < *Neue Nord. Beitr.*, ii, 1781, pp. 48-54, pl. Nicht mir selbst zugänglich.
1844. DES MURS, O. Notice et considérations oologiques sur le genre ornithologique Canale, Ardea [Eurypyga] helias (L.) < *Guér. Mag. de Zool.*, 2<sup>e</sup> sér., année 1844, Oiseaux, pp. 1-6, pl. 49.  
Pl. 49, f. 1, Oeuf de l'*Eurypyga helias*; f. 2, Oeuf de *Rallus variegatus*.
1852. DEVILLE, É. [Quelques notes anatomiques et de mœurs sur le Canale (Eurypyga helias).] < *Rev. et Mag. de Zool.*, iv, 1852, pp. 222 et suiv.  
Formants une partie d'un article plus étendu sur l'Hoazin, etc.  
Bull. v, 4—25

## Ciconiidae.

[Including *Ibis*, *Tantalus*, *Platalea*, etc.]

1630. SCHWALBACH, J. G. *Dissertatio de Ciconiis, Gruibus et Hirundinibus, quoe exeunte aestate abvolent et ubi hyement.* Spirae. 1630. 4to. pp. 28.  
Haud mihi obvia.
1661. SCHOOCK, M. *De Ciconiis tractatus.* Ed. 2da. Amstelædami. 1661. 12mo. pp. 82.  
Mihi incognitus.
1672. PRAETORIUS, J., *præs.*, resp. BRUNO, F. R. *Disputatio de CrotaLJustJa tepJ D.J teMporJs hospJta oder von des Storehs [Ciconia] Winterquartier.* Lipsiæ, recusa 1672. 4to. 6 folia. (Ibid. 1702. 4to. pp. 48.)  
Haud mihi obvia.
1679. LETTAW, EOBALD A. *Dissertatio de Ciconiis earumque proprietatibus.* Freyb. 1679. 4to. 1½ folia.  
Haud mihi obvia.
1679. STRAUSS, L., *præs.*, resp. STRAUSS, J. D. *Dissertatio de Ciconia.* Giessæ. Karger. 1679. 4to. pp. 19.  
Haud mihi obvia.
1680. JACOBÆUS, O. *Anatome Ciconiæ.* < *Bartholini Acta Hafn.*, v, 1680, pp. 247-249.  
Haud mihi obvium.
1683. PEYER, J. C. *De Ciconiæ ventre et affinitate quadam cum ruminantibus.* < *Ephem. Acad. Nat. Cur.*, Dec. ii, Ann. 2, 1683, 1698, pp. 245-247, pl.  
Haud mihi obvius.
1687. SCHELIHAMMER, G. C. *Ciconiæ Anatome.* < *Ephem. Acad. Nat. Cur.*, Dec. ii, Ann. 6, 1687, 1688, pp. 206-208.  
Haud mihi obvium.
1688. SCHULTZE, S. *De Ciconiæ Vindicta.* < *Ephem. Acad. Nat. Cur.*, Dec. i, Ann. 6, 7, 1675-76, 1688, pp. 227, 228.  
Haud mihi obvius.
1689. SVEDERUS, M. *Ciconia seu Diss. acad. de Jure Antipelargiæ; Præs. M. Svederus, Resp. L. A. Lechander, W. Gotho.* Aboæ. 1689. 4to. pp. 8, 20.  
Haud mihi obvia.
1692. FOGIUS, D. *Dissertatio de Ciconiarum hibernaculis.* Præs. Dav. Fogius, resp. Chr. Litzow. Hafnæ. 1692. 4to. pp. 12.  
Haud mihi obvia.
1717. LIMPRECHT, J. A. *Ciconiæ Anatome.* < *Ephem. Acad. Nat. Cur.*, Cent. 5 et 6, 1717, pp. 209-212.  
Haud mihi obvia.
1733. ———. [Observation sur l'Ibis blanc, oyseau singulier d'Égypte.] < *Hist. de l'Acad. Roy. des Sci.* pour l'année 1683. i, 1733, pp. 363, 364.
1734. PERRAULT, C. *Description anatomique de quatre Pallettes [Platalea].* < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusq. 1699, iii, pt. iii, 1734, pp. 22-30, pl. 5, 6.
1734. PERRAULT, C. *Description anatomique d'un Ibis blanc et de deux Cicognes.* < *Mém. de l'Acad. Roy. des Sci.* depuis 1666 jusq. 1699, iii, pt. iii, 1734, pp. 53-72, pl. 13, 14.
1752. MÜLLER, JOACH. FRIEDR. *Bemerkungen vom Storch [Ciconia].* < *Physikal. Belustiggn.*, ii, 1752, pp. 538, 539.  
Mir nicht zugänglich.

1757. PERRAULT, C. Anatomische Beschreibung von vier Löffel- oder Spatelgänsen [Platalea]. < *Abhandl. Königl. Französisch. Akad.*, ii, 1757, pp. 193— —.  
Not seen—title from Giebel. German transl. from *Mém. de l'Acad. Roy. des Sci.*, iii, pt. iii, 1734, p. 22.
1757. PERRAULT, C. Anatomische Beschreibung eines Ibis und zweener Störche. < *Abhandl. Königl. Französisch. Akad.*, ii, 1757, pp. 257— —.  
Not seen—title from Giebel. German transl. from *Mém. de l'Acad. Roy. Paris*, iii, pt. iii, 1734, p. 58.
1798. VAHL, M. Om Tantalus Pavoninus, Spalowsky. < *Skript. Naturh. Selsk. Kjöbenh.*, iv, Heft ii, 1798, pp. 122-125.  
Not seen.
1798. VAHL, M. Om Myceteria orientalis. < *Skript. Naturh. Selsk. Kjöbenh.*, iv, Heft ii, 1798, pp. 126-132.  
Not seen.
1799. DUMÉRIL, G. Mémoire sur une espèce d'articulation dans laquelle le mouvement des os s'exécute à l'aide d'un ressort, observé sur les pattes d'un Cicogne [Ciconia alba]. < *Bull. Sci. Soc. Philom.*, ii, An. VII (1799), pp. 4, 5.  
Pas vu moi-même.
1800. CUVIER, G. Sur l'Ibis des anciens Égyptiens. < *Bull. Sci. Soc. Philom.*, ii, An. VIII (1800), pp. 119— —.  
Pas vu moi-même: le titre tiré de la *Bibl.* de Carus et Engelmann.
1800. CUVIER, G. Mémoire sur l'Ibis des anciens Égyptiens. < *Journ. de Phys. Chim. Hist. Nat.*, li, 1800, pp. 184-192, pl.  
Parmi les résultats du mémoire, il est constaté par l'auteur que l'Ibis des anciens n'est point l'Ibis de Perrault et de Buffon, qui est un *Tantalus*, ni l'Ibis de Hasselquist, qui est un *Ardea*, ni l'Ibis de Maillet, qui est un *Vautour*; mais c'est un *Numenius* ou Courlis qui n'a point encore été nommé, et que Bruce a figuré sous le nom d'abou-hammès. L'auteur le nomme *Numenius ibis* (sp. n., p. 192), albus, capite et collo nudis, remigibus, pennis uropygii elongatis, rostro et pedibus nigris.  
Mais on doit ajouter, que l'oiseau ici décrit par l'auteur n'est néanmoins point une espèce du genre *Numenius* des auteurs modernes, de la famille des Scolopacidae, mais véritablement un Ibis.
1800. CUVIER, "C." [i. e., G.] Memoir on the Ibis of the Antient Egyptians. < *Tillock's Philos. Mag.*, viii, 1800, pp. 61-70, pl. iii.  
From *Journ. de Physique*, Fructidor, An. VIII. Determined to be a *Numenius*, and called, on p. 70, *Numenius ibis*; description, p. 64. The article is chiefly occupied in bibliographical research, and concludes with the statement that the *Tantalus ibis* of Linnæus comprehended four different species of three genera. The bird is the *Ibis æthiopicus*.
1800. SHAW, G. Description of a new Species of Myceteria [senegalensis]. < *Trans. Linn. Soc.*, v, 1800, pp. 32-35, pl. iii.  
*M. senegalensis*, p. 35, pl. 3: with characters, also, of *M. americana* and *M. australis*.
1801. CUVIER, G. Sur l'Ibis des anciens Égyptiens. < *Millin, Magas. Encycl.*, vi, pt. i, 1801, pp. 527, 528.  
Pas vu moi-même: le titre tiré de Carus et Engelmann.
1802. CAVANILLES, A. J. De la Ciguëna blanca [Ciconia alba]. < *Anal. Hist. Nat.*, v, No. 15, 1802, pp. 234-244.  
Not seen.
1803. SARTORIUS, —. Beobachtungen über die schwarzen Störche [Ciconia nigra]. < *Voigt's Mag.*, vi, 1803, pp. 227-233.  
Nicht mir selbst zugänglich: Titel aus Carus und Engelmann.
1804. CUVIER, G. Mémoire Sur l'Ibis des Anciens Egyptiens. < *Ann. du Mus. d'Hist. Nat.*, iv, 1804, pp. 116-135, pll. lii, liii (Ibis, pll. i-iii).  
Méprises des auteurs modernes—Mummies de l'ancien ibis—Description du squelette faite d'après les momies de Thèbes—Détermination du véritable Ibis—Comparaison de cet oiseau avec ceux qu'on a confondus avec lui—Description qu' Hérodote a faite—Examen de plusieurs monumens antiques sur lesquels on voit la figure de l'ibis—Origine des erreurs—Preuve offerte par les momies que les ibis mangeoient des serpens—Comparaison des plumes trouvées dans les momies avec celle de l'oiseau qu'on a prouvé être l'ibis—Résultat du mémoire.

## 1804. CUVIER, G.—Continued.

"3<sup>e</sup> *L'ibis* des anciens n'est point l'ibis de Perrault et de Buffon, qui est un tantalus, ni l'ibis de Hasselquist, qui est un ardea, ni l'ibis de Maillet, qui est un *vauteur*; mais c'est un numenius ou courlis qui n'a été décrit et figuré au plus que par Bruce sous le nom d'*abou-hannès*. Je le nomme numenius ibis" (p. 134).

Pl. i, squelette de l'ibis, tiré d'une momie de Thèbes; pl. ii, L'oiseau, *Numenius ibis*, Cuv.; pl. iii, Figure copiée sur l'un des Temples de la haute Égypte, et bec d'une momie.

Pour son premier mémoire, et pour une traduction Anglaise, voir 1800, CUVIER, G.

1805. PEARSON, J. Some Account of two Mummies of the Egyptian Ibis [æthiopicus], one of which was in a remarkably perfect State. < *Philos. Trans.*, xciv, pt. ii, 1805, pp. 264-271, pl. viii.

Taken by Major Hayes, in 1802-3, from catacombs at Thebes, and described with particularity. The plate, of natural size, shows the position given to the body by the embalmer.

1805. SAVIGNY, J. C. Histoire | Naturelle et Mythologique | de l'Ibis [religiosa]; | Par Jules-César Savigny, | Membre de l'Institut d'Égypte; | Ornée de six planches gravées par Bouquet, | d'après les dessins de H. J. Redouté et | Barabaud. | [Dessin.] | Libyisque vescens ipsa scorpionibus . . . | Philé. | Paris, | Allais, Libraire, quai des Augustins, n<sup>o</sup>. 39. | — | M. DCCC. V. 1 vol. sm. 8vo. pp. i-xiv, 1-224, pll. i-vi.

This is a celebrated treatise on a very celebrated bird, replete with curious learning upon the natural, mythological, and philological history of the Ibis, gathered by the author as a part of his researches in Egypt. The bird excited much attention about that time; the Baron Cuvier gave his views on the same subject; and quite a literature was soon formed, both as regards the ornithological and the archaeological aspects of the case. The present memoir became the occasion of much discussion, and the information it contains is found in various other writings, under different guises.

## 1805. VOSMAER, A. Histoire Naturelle | du | Courli | Africain [ ]. | Ayant été conservé dans le Muséum | De son Altesse Sérénissime Monseigneur le Prince | D'Orange-Nassau. | Par Feu Mr. | A. Vosmaer, | De sa vie Conseiller de S. A. S., Directeur de son Cabinet d'Histoire | Naturelle &amp; des Curiosités, Membre de l'Académie Impériale, | Correspondant de l'Académie Royale des Sciences de Paris, | Membre de celle de Madrid &amp; des Sociétés Littéraires de Flessingue &amp; de Harlem &amp;c. | — | A Amsterdam, chez | J. B. Elwe, | MDCCCV. 4to. pp. 8, pl.

## 1806. JOMARD. — Observations sur l'Histoire Naturelle et Mythologique de l'Ibis, Ouvrage de J. C. Savigny, Membre de l'Institut d'Égypte. [Par M. Jomard.] n. d. n. p. [Paris. Delance. 1806.] 1 vol. 8vo. pp. 27.

Extraites du Magasin Encyclopédique, numéro de Février 1806.

## 18—. ROZIERE, —. De l'Ibis Égyptien. [Par Rozière.] 8vo. pp. 22.

Extrait du ———? À propos de l'ouvrage de M. J. C. Savigny, intitulé: *Hist. Nat. et Mythol. de l'Ibis*: donnant les principaux résultats du travail de M. Savigny, en y joignant quelques observations.

1817. MONTAGU, G. Some Remarks on the Natural History of the Black Stork [*Ciconia nigra*], for the first time captured in Great Britain. < *Trans. Linn. Soc.*, xii, pt. i, 1817, pp. 19-23.1817. ORD, G. An Account of an American Species of the Genus Tantalus or Ibis. < *Journ. Acad. Nat. Sci. Phila.*, i, 1817, pp. 53-57.

Identified, with a query, with *T. mexicanus* Gm. This is probably the earliest special notice of the Glossy Ibis (*Plegadis falcinellus*) in North America.

1822. "L'UN DE VOS AUDITEURS À L'ATHÉNÉE." Au rédacteur du Journal de Physique. < *Journ. de Phys. Chim. Hist. Nat.*, xciv, 1822, p. 320.

Quelques faits concernant les mœurs des Cicognes.

1823. MONTAGU, G. Einige Bemerkungen über die Naturgeschichte des schwarzen Storchs, Ardea [*Ciconia*] nigra Linn., den man vor kurzem zum erstenmal in England angetroffen hat. < *Oken's Isis*, Jahrg. vii, 1823, (*Litter. Anzeig.*), pp. 539-543.

Aus d. *Trans. Linn. Soc. Lond.*, xii, pt. i, 1817, pp. 19-23.



1825. ADAM, J. A description of the Ciconia Argala or Adjutant Bird of Bengal. < *Trans. Med. Phys. Soc. Calcutta*, i, 1825, pp. 240-248.  
Not seen—title from *Roy. Soc. Cat.* It is reprinted in several places. See below.
1826. ADAM, J. Description of the Ciconia Ardgala [sic], or Adjutant Bird. < *Edinb. New Philos. Journ.*, i, 1826, pp. 327-332.  
From *Trans. Med. and Phys. Soc. Calcutta*, i, 1825, pp. 240-248. Description followed by extended account of habits. Also in *Forriep's Notizen*, xv, No. 328, 1826, pp. 307-309, and *Isis*, 1826, p. 685.
1826. [TEMMINCK, C. J., and LAUGIER, M.] Notice sur les Cigognes, et particulièrement sur les trois grandes espèces qui fournissent à la toilette des dames les plumes déliées dites Marabou. < *Ann. des Sci. Nat.*, vii, 1826, pp. 91-96.  
Réproduite de la 64<sup>e</sup> livraison des *Planches Coloriées*.
1826. ———. Ibis noir d'Islande. < *Féruss. Bull.*, 2<sup>e</sup> sect., viii, 1826, p. 115.  
Reinhardt, *Tidssk. for Naturev.*, cah. 10, p. 133.
1829. "G. H." The Storks [Ciconia] in Germany. < *London's Mag. Nat. Hist.*, ii, 1829, p. 484.
1826. PAYRAUDEAU, B. C. Notice sur les Cigognes, . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., viii, 1826, p. 274.  
Extrait des *Ann. des Sc. Nat.*, janv. 1826, pp. 91-96 (de la 64<sup>e</sup> livraison des *Planches Coloriées*, par MM. Temminck et Laugier).
1828. L[UROTH], S. G. Description of Poisean adjutant (Ciconia Argala); par M. J. Adam. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xv, 1828, p. 392.  
Extrait des *Trans. Med. and Phys. Soc. Calcutta*, i, 1825, pp. 240-248; *Edinb. New Philos. Journ.*, i, 1826, pp. 327-332.
1829. ———. Cigognes avec des écussons métalliques. < *Féruss. Bull.*, 2<sup>e</sup> sect., xvi, 1829, p. 285.  
*Forriep's Notizen*, xxi, n<sup>o</sup> 21, August, 1828, p. 329.
1829. [PRIOU, —]. Ibis noirs tués dans le département de la Loire-Inférieure le 18 mai 1828. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xvii, 1829, pp. 292, 293.  
Extrait du *Lycée armoricain*, livr. lxxi, nov. 1828, p. 383.
1829. RICHTER, M. G. Etwas über den schwarzen Storch, Ciconia nigra Bechst. < *Oken's Isis*, Bd. xxii, 1829, pp. 871-875.  
Zur Lebensweise.
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Though ostensibly dating Dec., 1864, this article cannot have been published before 1865, for the end of it is a part of the same sheet of paper (signature 29) that begins the next article, dated May, 1865.

The article treats of *Ciconia* (7 spp.), *Mycteria* (4 spp.), *Anastomus* (2 spp.), *Tantalus* (4 spp.), and *Platalea* (6 spp.), represented in the Leyden Museum by 152 specimens.

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1874. ANON. Eine neue weisse Storchenart [von Japan von Savuchon beschrieben]. < *Aus der Natur*, lxiv, oder n. F., lii, 1874, p. 204.
1874. BROUGHTON, H. T. Spoonbill [*Platalea leucorodia*] in Guernsey. < *Zoologist*, 2d ser., ix, 1874, pp. 3835, 3836.
1874. COUES, E. Shooting Wood Ibises [*Tantalus loculator*]. < *Am. Sportsman*, iv, 1874, p. 225.  
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1874. SCLATER, P. L. [Report on addition of *Ciconia boyciana* to the Society's Menagerie.] < *P. Z. S.*, xlii, 1874, pp. 1, 2, pl. 1.  
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1874. SCLATER, P. L. [Remarks upon exhibition of a skin of *Ciconia boyciana*.] < *P. Z. S.*, xlii, 1874, pp. 306, 307.  
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1875. GARROD, A. H. On the Form of the Trachea in certain Species of Storks and Spoonbills. < *P. Z. S.*, Apr. 6, 1875, pp. 297-301, figg. 1, 2.  
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An important memoir, not to be overlooked even by those who may disagree with many of the author's conclusions. It is based upon the material in the Paris Museum and in the Salvin-Godman and Shelley collection. It gives the leading literature of the subfamily, the systematic position, the geographical distribution, with more or less descriptive and critical matter under each species, with a very copious synonymy.

The author recognizes 25 spp. of Ibises, which he disposes in 19 genera, three of which are new. Most of these genera were founded by Wagler in 1832 or by Reichenbach in 1851 (or thereabouts—Gray gives 1853), as appears from the following chronological enumeration, in which the 19 adopted by Elliot are asterisked:—

1809. *Numenius*, Cuv. Type, *Tantalus æthiopicus*, Lath. [Preoccupied.]
- \*1803. *Falcinellus*, Bechst., *Gen. Nat.* Type, *Tantalus falcinellus*, L. [Not so.]
- \*1810. *Ibis*, Savigny, *Ois. Égypt.*, p. 392. Type, *Tantalus æthiopicus*, Lath.  
[1829. *Plegadis*, Kaup, *Sk. Ent. Eur.*, Theirw., p. 82.]
1832. *Tantalides*, Wagl., *Isis*, p. 1231. Type, *Tantalus falcinellus*, L.
- \*1832. *Theristicus*, Wagl., *Isis*, p. 1231. Type, *Scelopax caudatus*, Bodd.
- \*1832. *Geronticus*, Wagl., *Isis*, p. 1232. Type, *Tantalus calvus*, Bodd.
- \*1832. *Harpiprion*, Wagl., *Isis*, p. 1232. Type, *Tantalus cayennensis*, Gm.
- \*1832. *Endocimus*, Wagl., *Isis*, p. 1232. Type, *Tantalus ruber*, L.
- \*1832. *Cercibis*, Wagl., *Isis*, p. 1232. Type, *Ibis oxyerca*, Spix.
- \*1832. *Phimosus*, Wagl., *Isis*, p. 1233. Type, *Ibis infusata*, Licht.
1842. *Threskiornis*, Gray, *App. List G. of B.*, p. 13. Type, *Tantalus æthiopicus*, Lath.  
[1844. *Pseudibis*, Hodgs.]
- \*1851. *Comatibis*, Reich., *Nor. Syn. Ar.*, figg. 2383, 2384. Type, *Ibis comata*, Rüpp.
- \*1851. *Nipponia*, Reich., *ibid.*, fig. 538. Type, *Ibis nippon*, Temm.
- \*1851. *Molybdophanes*, Reich., *ibid.*, fig. 524. Type, *Ibis cærulescens*, Vieill.
- \*1851. *Lophotibis*, Reich., *ibid.*, fig. 637. Type, *Tantalus cristatus*, Bodd.
- \*1851. *Inocotis*, Reich., *ibid.*, fig. 533. Type, *Ibis papillosa*, Temm.
- \*1851. *Carphibis*, Reich., *ibid.*, figg. 1009, 1010. Type, *Ibis spinicollis*, Jam.
1851. *Guara*, Reich., *ibid.*, figg. 525, 526, 527. Type, *Tantalus ruber*, L.
1851. *Leucibis*, Reich., *ibid.*, figg. 2385, 2385, 2386. Type, *Tantalus albus*, L.
- \*1851. *Bostrychia*, Reich., *ibid.*, figg. 1011. Type, *Ibis carunculata*, Rüpp.
- \*1855. *Hagedashia*, Bp., *Consp. Ar.*, p. 152. Type, *Tantalus hagedash*, Lath.
- \*1877. *Graptoccephalus*, Elliot, *P. Z. S.*, p. 483. Type, *Geronticus darisoni*, Hume.
- \*1877. *Thaummatibis*, Elliot, *P. Z. S.*, p. 483. Type, *Ibis gigantea*, Oustalet.
- \*1877. *Lampribis*, Elliot, *P. Z. S.*, p. 483. Type, *Ibis olivacea*, Du Bus.

His species are as follows:—

1. *Ibis æthiopicus*.
2. *Ibis bernieri*.
3. *Ibis melanoccephala*.
4. *Thaummatibis gigantea*.
5. *Graptoccephalus darisoni*.
6. *Carphibis spinicollis*.
7. *Inocotis papillosus*.
8. *Comatibis comata*.
9. *Geronticus calvus*.
10. *Phimosus infusatus*.
11. *Nipponia nippon*.
12. *Cercibis oxyerca*.
13. *Theristicus caudatus*.
14. *Lophotibis cristata*.
15. *Hagedashia chalcoptera*.
16. *Bostrychia carunculata*.
17. *Harpiprion cayennensis*.
18. *Molybdophanes cærulescens*.
19. *Falcinellus igneus*.
20. *F. guarauna*.
21. *F. ridgwayi*.
22. *F. thalassinus*, Ridgway [N. B.—This is the young of No. 20].
23. *Lampribis olivacea* (plate li).
24. *Endocimus albus*.
25. *E. ruber*.

Several writers hastened to show that "*Falcinellus* Bechst." is not available, and that the name *Plegadis* Kaup, 1829, must be used for this genus.

1877. GARROD, A. H. Note on an Anatomical Peculiarity in certain Storks [Ciconiidae]. < *P. Z. S.*, Nov. 6, 1877, pp. 711-712.

Storks differ in the ambiens muscle.



1877. LENTE, W. K. A visit to a nesting place [Lake Harney, Florida] of the wood ibis—*Tantalus loculator*. < *Forest and Stream*, Nov. 29, 1877, p. 327.
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Interesting narrative of observations.
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Notices of papers in *Bull. Soc. Philom.*, 7<sup>e</sup> sér., i, 1877, pp. 25-30.
1878. ALLEN, J. A. The Glossy Ibis [*Ibis falcinellus*] in Massachusetts. < *Bull. Natl. Ornith. Club*, iii, No. 3, July, 1878, p. 152.
1878. ALLEN, J. A. Elliot's Review of the Iridinae, or Ibises. < *Bull. Natl. Ornith. Club*, iii, No. 4, Oct., 1878, p. 182.  
Short notice of the paper in *P. Z. S.*, 1877, pp. 477-510.
1878. CORY, C. B. The Glossy Ibis [*Ibis falcinellus*] in Massachusetts. < *Bull. Natl. Ornith. Club*, iii, No. 3, July, 1878, p. 152.  
Note by J. A. Allen on the occurrence of two other individuals on Cape Cod at about the same time. Foot-note by the same on the correct generic name of the bird, which is stated to be *Plegadis*, Kaup. (*Ibis*, 4th ser., ii, Jan., 1878, p. 112.)
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The parts named of each of these species are figured on the woodcuts in the text.
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A subhead of a much more extensive paper, "Studies of the American Herodiones," &c., *ibid.*, pp. 219-251. The American Ciconiidae are divided into two subfamilies, *Ciconiinae* and *Tantaliinae*, of the former of which are given two genera, *Mycteria* and *Euxenura*, g. n., p. 249 (= *Dissoura* Cab., 1850). For the full paper, see under ARDEIDÆ.
1878. SCLATER, P. L. Note on the Breeding of the Sacred Ibis [æthiopica] in the Zoological Society's Gardens. < *Ibis*, 4th ser., ii, Oct., 1878, pp. 449-451, pl. xii.  
The plate shows the young and the egg.
1878. SCLATER, [P. L.] [Remarks on living examples of *Ciconia maguari* and *C. episcopus*.] < *P. Z. S.*, June 4, 1878, p. 633.  
On the validity of the genus *Euxenura* Ridgway, showing that Cabanis had proposed *Dissoura* in 1850 for the same group, and calling the species *Dissoura maguari* and *D. episcopus*.
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1683. MURALT, J. DE. Ardeæ [Botauri] stellaris examinatio. < *Ephem. Acad. Nat. Cur.*, Dec. ii, Cent. Ann. ii, 1683, (1698), pp. 60, 61.  
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The cover-title is different: A | Description | of | the character | of | the Whistling Swan, | and of | the peculiar structure | of its | Trachea. | — |  
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1876. ANON. [Habits of *Fuligula vallisneria*.] < *Rod and Gun*, vii, Feb. 12, 1876, p. 313. From "Philadelphia Times."
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1853. BRUCH, [P.] Monographische Uebersicht der Gattung *Larus* Lin. < *J. f. O.*, i, 1853, pp. 96-103, pll. ii, iii.  
Sketch of the subject; characters and habitat of 62 spp. *Larinæ*, under 12 genn., and of 5 spp. *Lestridinæ* under 3 genn. The large folded plates, uncolored, illustrate the heads of 24 spp. *Larinæ* of natural size. The article has been spoken of with some reserve, and is generally considered to have been superseded by the author's subsequent paper on the same subject, *op. cit.*, 1855, p. 273, *seq.* (See what is said at 1854, BONAPARTE, C. L.)
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1853. LENK, Dr. — Eine briefliche Mittheilung des Hrn. Dr. Lenk. < *Verh. zool.-bot. Ver. Wien*, iii, am 7 Dec., 1853, pp. 195-197.  
Ueber *Larus capistratus* in Böhmen.
1853. LOWENHJELM, C. G. *Myoxus avellanarius*; *Sterna arctica*. < *Öfvers. Kongl. Vetensk.-Akad. Förhandl. för år 1852, 1853*, pp. 234, 235.  
*Sterna arctica* häckar i mangd vid en insjö, 2 mil norr om Gellivare.
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1854. BONAPARTE, C. L. Notes sur les Larides < *Naumannia*, iv, 1854, pp. 209-219.  
La famille entière des *Larides* (c'est à dire les subfam. *Lestridinæ* et *Larinæ*) ayant été passée en revue synoptique, l'auteur s'occupe d'une critique de M. Bruch (*J. f. O.*, 1853, pp. 96-108). *Lestridinæ*, 4 genn., 4 spp. (avec (5) *Cinoliornis diomedicus* (Owen, sp. foss.)); *Larinæ*, 18 genn., 73 spp. À cause des rapports qui semblent d'avoir existés entre l'auteur et M. Bruch, il devient difficile d'indiquer avec précision les noms qui sont véritablement nouveaux; surtout lorsqu'on reconnaît le fait que ces auteurs tous deux ont presque toujours manqué de donner les renseignements nécessaires. Les genres qui suivant semblent être nouvellement proposés: *Procellarus* sive *Epitelarus*, p. 213; *Creagrus*, *Atricilla*, p. 214; *Melagavia*, p. 217; *Cirrocephalus*, p. 218.—*Atricilla catesbaei*, *minor*, *macroptera*, p. 212; *Procellarus neglectus*, p. 213; *Larus verreauxi*, p. 215; *Gavia kamschatchensis*, p. 215; *G. bruchii*, p. 216; *Gelastes corallinus*, p. 216; *Rissa kotzebui*, p. 217, spp. nn.  
It may be remarked, in fine, of this article, that it is worse than worthless, being pernicious. It is ostensibly a review of Bruch's paper of 1853; this being itself a very incompetent performance, confusion is here worse confounded by Bonaparte's criticisms and "rectifications." It seems to have had, among other undesirable results, the effect of setting Bruch at the business anew, as appears by the latter's paper of 1855. The two authors together made as complete a muddle as can be found in ornithology: woe to the confiding student who trusts either of them—*crede experto!* Bruch and Bonaparte are Scylla and Charybdis of Gull literature.
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Bull. v, 4—31

1854. BREHM, [C.] L. Verfärbung und Federwechsel der europäischen Seeschwalben. < *J. f. O.*, ii, 1854, pp. 317-321.
1854. BRIGGS, J. J. Occurrence of the Pomarine Skua (Catarractes [Stercorarius] pomarinus) in Derbyshire. < *Zoologist*, xii, 1854, p. 4513.
1854. GLOGER, C. W. L. Audubon als der erste Bekenner der Ansicht von „Umfärbung ohne Mauser.“ < *J. f. O.*, ii, 1854, pp. 328-334.  
The author's reading of Audubon furnished him with frequent occasion for writing; in this instance, he translates and comments upon what that writer has to say respecting the changes of plumage in *Laridae*.
1854. GLOGER, C. W. L. Das Abändern der weissen Zeichnung an den Schwingen der Möven [Laridæ]. < *J. f. O.*, ii, 1854, p. 383.  
Translation from Audubon on this subject, in the case of *L. argentatus*.
1854. GOLOWATSCHOW, A. Larus columbinus. (Monette Colombine.) Espèce nouvelle, habitant les parages de la mer Caspienne. < *Bull. Soc. Imp. Nat. Moscou*, xxvii, pt. i, 1854, pp. 435-441, pl. iv.
1854. HARDY, J. Description d'une espèce inédite de Lestris [spinicandus] de l'Océan méridional. < *Rev. et Mag. de Zool.*, vi, 1854, pp. 657, 658.
1854. KING, E. L. Occurrence of Richardson's Skua (Lestris Richardsonii) at Lynn. < *Zoologist*, xii, 1854, pp. 4512, 4513.
1854. LAWRENCE, G. N. Description of a New Species of Bird of the Genus Larus [californicus] Linn. < *Ann. Lyc. Nat. Hist. N. Y.*, vi, 1854, pp. 79, 80.
1855. BONAPARTE, C. L. Notes sur les Larides. < *Rev. Mag. Zool.*, vii, 1855, pp. 12-21.  
Not seen.
1855. BRUCH, [P.] Revision der Gattung Larus Lin. < *J. f. O.*, iii, 1855, pp. 273-293, pl. iv, v.  
Cf. *op. cit.*, 1853, pp. 96-108. 65 spp. The present article retraces the ground of the first one; the discrepancies between the two are numerous and irreconcilable, leaving both open to suspicion. In fact, having ourselves suffered for our indiscretion in venturing upon these papers of Bruch's, as well as those of Bonaparte's on the same subject, it is a duty we owe to posterity, and one we willingly here discharge, to warn all persons off these premises.
1855. DEGLAND, C. D. [Fang einer für Frankreich, wenn nicht überhaupt für Europa, neuen Seeschwalbe (Sterna fuliginosa).] < *Naumannia*, v, 1855, p. 412.  
„*S. fuliginosa* wurde bekanntlich vor mehreren Jahren an der Elbe, gleichfalls lebendig gefangen.“—Baldamus.
1855. GLOGER, C. W. L. Auch Möven werfen lebende Schalthiere aus der Höhe auf kahle Felsen [n. s. w.]. < *J. f. O.*, iii, 1855, p. 447.  
Quotations from Audubon on the habits of *Larus argentatus*.
1855. GLOGER, C. W. L. Auch die grösseren Möven brüten zum Theil schon im noch unvollendeten Kleide. < *J. f. O.*, iii, 1855, pp. 521, 522.  
Quotation from Audubon, again, respecting *Larus argentatus*. It would have simplified matters, if the writer had once copied from Audubon all he desired on the subject, and had done with it.
1855. HUSSEY, A. Occurrence of Richardson's Skua (Lestris Richardsoni) in Sussex. < *Zoologist*, xiii, 1855, p. 4560.
1855. MURRAY, A. [Extract of letter from W. Jardine, on capture of Pagophila eburnea in Caithness-shire.] < *Edinb. New Philos. Journ.*, new ser., i, 1855, p. 365.
1855. POWYS, T. L. Occurrence of Buonaparte's Gull (Larus Buonapartii) on the Irish Coast. < *Zoologist*, xiii, 1855, p. 4762.
1855. POWYS, T. L. Occurrence of Buonaparte's Gull (Larus Buonapartii) on the Irish Coast. < *Zoologist*, xiii, 1855, pp. 4809, 4810.
1855. ROBERTS, A. Occurrence of the Lesser White-winged Gull (Larus islandicus) near Scarborough. < *Zoologist*, xiii, 1855, p. 4560.
1855. WATERS, [J. J.] On the Habits and on the Varieties of some of the [Irish] Laridæ. < *Nat. Hist. Rev.*, ii, 1855, pp. 100-103.

1856. [BILLINGS, E.] On a Sea-Gull [*Larus argentatus*] shot at Ottawa. < *Canad. Nat. and Geol.*, i, 1856, pp. 159, 160.
1856. DESSAUVILLE, P. A. Notice of the Arctic Skua (*Lestris Parasitica*, Tem.), shot in Skye in the Summer of 1855. < *Edinb. New Philos. Journ.*, iii, 1856, pp. 350, 351.
1856. D'URBAN, W. S. M. Occurrence of the Little Gull [*Larus minutus*] and Common Skua on the Exe. < *Zoologist*, xiv, 1856, p. 5065.
1856. FARRAN, [C.] On the Genus Skua. (*Lestridæ*.) < *Nat. Hist. Rev.*, (*Pr. Soc.*), iii, 1856, pp. 48-51.  
Characters and habits of several species.
1857. BRUCH, [P.] Nachtrag zur Revision der Gattung *Larus*. < *J. f. O.*, v, 1857, pp. 23-25.  
Cf. *J. f. O.*, 1853, pp. 96-108; 1855, pp. 273-293. Treats further of 3 or 4 species.
1857. BRUCH, [P.] Zweiter Nachtrag zur Revision der Gattung *Larus*. < *J. f. O.*, v, 1857, pp. 113, 114, pl. f. 1-3.  
Cf. *J. f. O.*, 1853, pp. 96-108; 1855, pp. 273-293; 1857, pp. 23-25. *L. poiocephalus*, *L. lambruschini*, *L. fuscescens*.
1857. RODD, E. H. Note on the British Skuas, genus *Lestris*. < *Zoologist*, xv, 1857, p. 5596.
1857. SAVILLE, S. P. Occurrence of rare Sea Birds [*Laridæ*, 4 spp.] near Cambridge. < *Zoologist*, xv, 1857, p. 5831.
1858. BLASIUS, J. H. Ein Wort über die Möven der Zoographia Rosso-asiatica von Pallas. < *Naumannia*, viii, 1858, pp. 316-320.  
Demnach würden sich die von Pallas in der Zoographia aufgeführten Namen und Beschreibungen auf folgende Arten beziehen: 1. *Larus marinus* L. 2. *L. argentatus* Brünn. = *L. cachinnans* Pall. 3. *L. glaucus* Brünn. *L. canus* L. = *L. nireus* Pall. *L. tridactylus* L. = *LL. rissa*, *gavia*, *canus*, *torquatus* Pall. 6. *L. ichthyætus* Pall. 7. *L. ridibundus* L. = *LL. atricilla*, *cinerarius*, *nævus* Pall. 8. *L. minutus* Pall.
1858. LAWRENCE, G. N. Descriptions of two New Species of Gulls in the Museum of the Smithsonian Institute at Washington. < *Ann. Lyc. Nat. Hist. New York*, vi, 1858, pp. 264-266. (Read June 29, 1857.)  
*Larus suckleyi*, p. 264; *Rissa septentrionalis*, p. 266. [Both = *L. brachyrhynchus* Rich.]
1858. MATHEWS, M. A. Occurrence of the Little Gull [*Larus minutus*] near Barnstable. < *Zoologist*, xvi, 1858, pp. 6245, 6246.
1858. RODD, E. H. Occurrence of the Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) at the Land's End. < *Zoologist*, xvi, 1858, p. 6267.
1858. STEVENSON, H. Appearance of Skuas off the Coast of Yarmouth. < *Zoologist*, xvi, 1858, pp. 6309, 6310.
1859. ANON. Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) near Brighton. < *Zoologist*, xvii, 1859, p. 6331.
1859. ANON. Occurrence of Sabine's Gull (*Larus* [*Xema*] *Sabini*) at Brighton. < *Zoologist*, xvii, 1859, p. 6331.
1859. BARTLETT, A. D. Remarks on the Habits of a Herring Gull (*Larus argentatus*). < *P. Z. S.*, xxvii, 1859, pp. 467, 468.  
Voluntary semidomestication.
1859. DUNN, R. Occurrence of the Adult Glaucous Gull [*Larus glaucus*] in Orkney. < *Zoologist*, xvii, 1859, p. 6448.
1859. DUTTON, J. Occurrence of the Pomarine Skua (*Lestris pomarina* [*Stercorarius pomatorhinus*]) at Birthing Gap. < *Zoologist*, xvii, 1859, pp. 6378, 6379.
1859. HOMEYER, E. [F.] v. Ueber *Larus Heinei*. < *J. f. O.*, vii, 1859, pp. 155, 156.  
Especially on its relationships with *L. canus*.
1859. ROSS, F. W. L. Notice of a Black-headed Gull [*Larus ichthyætus*] found recently in Devonshire. < *Ann. Mag. Nat. Hist.*, 3d ser., iv, 1859, p. 467.

1860. ALBRECHT, —. Verhalten einer aufgezogenen Möve [*Larus argentatus*]; längere Aufbewahrung frischer Eier. < *J. f. O.*, viii, 1860, pp. 367-369.  
Translated from Bartlett, *Ann. Mag. N. H.*, No. 30, June, 1860.
1860. BARTLETT, A. D. Remarks on the Habits of a Herring Gull (*Larus argentatus*). < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, pp. 498, 499.  
From *P. Z. S.*, Nov. 22, 1859.
1860. DUNN, J. Occurrence of the Glaucous Gull [*Larus glaucus*] in Orkney. < *Zoologist*, xviii, 1860, p. 6513.
1860. DUTTON, J. Occurrence of Richardson's Skua (*Lestris richardsonii*) at Eastbourne. < *Zoologist*, xviii, 1860, p. 7106.
1860. GOULD, J. Description of a new Species of Gull (*Gavia roseiventris*) from the Falkland Islands. < *Ann. Mag. Nat. Hist.*, 3d ser., v, 1860, p. 232.  
From *P. Z. S.*, Feb. 8, 1859, p. 97; from a paper of wider scope.
1860. GURNEY, J. H. Note on the Carnivorous propensities of the Blackheaded Gull (*Larus ridibundus*). < *Zoologist*, xviii, 1860, pp. 7106, 7107.
1860. JÄCKEL, J. *Sterna leucoptera* Meissn. und Schinz in Bayern brütend. < *J. f. O.*, viii, 1860, pp. 300, 301.
1860. LEADBEATER, —. [Exhibition of *Lestris cephus* from Ireland.] < *P. Z. S.*, xxviii, 1860, p. 322.
1860. MORE, A. G. The Arctic Tern (*Sterna arctica*) nesting on Fresh Water. < *Zoologist*, xviii, 1860, pp. 6891, 6892.
1860. NICHOLLS, H., JR. Occurrence of Richardson's Skua [*Stercorarius parasiticus*] at Kingsbridge. < *Zoologist*, xviii, 1860, p. 7106.
1860. QUISTORP, [G.] *Larus leucopterus* in Pommern beobachtet. < *J. f. O.*, viii, 1860, p. 369.
1860. ROSS, F. W. L. Occurrence of *Larus ichthyætus* [sic], a new British Gull, in Devonshire. < *Zoologist*, xviii, 1860, pp. 6860, 6861.
1860. SAVILLE, S. P. A Kittiwake Gull (*Larus* [*Rissa*] *tridactylus*) driven Inland [Cambridge] by the late Terrible Gales. < *Zoologist*, xviii, 1860, p. 6982.
1860. SAVILLE, S. P. Common Tern (*Sterna hirundo*) shot during the late gale [in Northamptonshire]. < *Zoologist*, xviii, 1860, p. 7106.
1861. TREMBLY, J. B. Ornithological Inquiries. < *Field Notes*, i, No. 17, Apr. 27, 1861, p. 129.  
Respecting occurrence of certain *Laridæ* in Ohio.
1861. W[HEATON], J. M. The Gulls. < *Field Notes*, i, No. 20, May 18, 1861, p. 153.  
Alleged *Larus "occidentalis"* in Ohio is not that species.
1862. BLAKE-KNOX, H. Occurrence of Sabine's Gull [*Xema sabinii*] in Dublin Bay. < *Zoologist*, xx, 1862, pp. 8093, 8094.
1862. BOND, T. The Little Gull [*Larus minutus*]. < *Zoologist*, xx, 1862, pp. 7939, 7940.
1862. COUES, E. Revision of the Gulls [*Larinæ*] of North America; based upon specimens in the Museum of the Smithsonian Institution. < *Proc. Acad. Nat. Sci. Phila.*, xiv, 1862, pp. 291-312.  
Stated to be "an abstract of a more extended Monograph on the Gulls on North America, prepared for publication in a Government Report." The "Monograph" here in mention appeared in 1874, as a part of the "Birds of the Northwest" (pp. 589-717), q. v.  
The present paper divides the *Laridæ* into 4 subfamilies, *Lestridinæ*, *Larinæ*, *Sterninæ* and *Rhynchopiniæ*, and gives an outline of the North American genera and species of the second of these, which is divided into the following 8 genera: *Larus*, *Blasipus*, *Rissa*, *Pagophila*; and *Chroicocephalus*, *Rhodostethia*, *Xema*, *Creagrus*. The species recognized are as follow:—  
1, *Larus hutchinsii* (later determined to be the young of *L. glaucus*). 2, *L. glaucus*. 3, *L. leucopterus*. 4, *L. glaucescens*. 5, *L. challopterus* (later referred to *glaucescens*). 6, *L. marinus*. 7, *L. occidentalis*. 8, *L. smithsonianus*, sp. n., p. 296, being the *L. argentatus* of American



## 1862. COUES, E.—Continued.

writers: later reduced to a race of the latter. 9, *Larus californicus*. 10, *L. delawarensis*. 11, *L. brachyrhynchus* Rich., being the N. Am. representative of *L. canus*; to it are referred *L. suckleyi* and *Rissa septentrionalis* of Lawrence. 12, *Blasippus heermanni*. 13, *Rissa tridactyla*. 14, *R. kotzebui*, the N. Pacific analogue of *R. tridactyla*. 15, *R. brachyrhynchus* Gould, or *brevirostris* Brandt. 16, *Pagophila eburæa*. 17, *P. brachytarsus* (since admitted to be same as 16). 18, *Chroicocephalus atricilla*. 19, *C. cucullatus* (afterward referred to 20). 20, *C. franklini*. 21, *C. philadelphia*. 22, *C. minutus* (given as questionably North American). 23, *Rhodostethia rosea*. 24, *Xema sabini*. 25, *Creagrurus furcatus*.

Taking from these 25 species the following 5, viz.: *L. hutchinsii*, *L. chalconotus*, *Rissa kotzebui*, *Pagophila brachytarsus*, *Chroicocephalus cucullatus*, as not valid, and *C. minutus* as extralimital, we have a residuum of 19 good species, most of which are carefully described in this paper, with brief synonymy, and extended criticism. The paper is handicapped by the author's reliance to greater extent than the facts warrant upon Bonaparte's and Bruch's misguiding and perplexing lead. It is otherwise a very fair exhibit of the knowledge we possessed at the time the paper was written.

Cf. *Ibis*, 1863, pp. 108, 109.

1862. COUES, E. A Review of the Terns [Sternina] of North America. < *Proc. Acad. Nat. Sci. Phila.*, xiv, 1862, pp. 535-559.

The genera and species critically reviewed in this paper are the following:—

1, *Gelochelidon anglica*. 2, *Thalasseeus caspius*; the N. Am. bird tentatively named *Th. imperator*, sp. n., p. 538. 3, *T. regius*. 4, *T. elegans*. 5, *T. aculeatus* (afterward reunited with *T. cantianus*). 6, *Sterna trudeaui*. 7, *S. "harelli"*, considered as the winter plumage of *S. forsteri*. 8, *S. forsteri*. 9, *S. hirundo*. 10, *S. macroura*. 11, *S. pikei* Lawr. 12, *S. paradisæa*. 13, *S. antillarum*. 14, *Hydrochelidon fissipes*. 15, *Haliastur fuliginosa*. 16, *Anous stolidus*, with *A. frater*, sp. n. prob., p. 538. Neither of the two new names has proven to represent much value. The identification of *S. harelli*, here first made, has been confirmed. *S. pikei* is not a good species. *T. aculeatus* is not distinct from *T. cantianus*. The other species hold, though some of them require other names, and several species have since been added to the North American Fauna. See same author at 1874, *Birds of the Northwest*.

Cf. *Ibis*, 1863, pp. 471, 472.

1862. GATCOMBE, J. Occurrence of the Little Gull [*Larus minutus*] at Plymouth. < *Zoologist*, xx, 1862, p. 7940.1862. GATCOMBE, J. Occurrence of the Iceland Gull [*Larus leucopterus*] at Plymouth. < *Zoologist*, xx, 1862, p. 8036.1862. HAMMOND, W. Occurrence of the Little Gull [*Larus minutus*] in Kent. < *Zoologist*, xx, 1862, p. 8003.1862. PHILIPPI, R. A., and LANDBECK, L. Descripción de una nueva golondrina de mar [*Sterna atrofasciata*]. < *Anal. Univ. Chile*, xxi, Nov., 1862, p. 440.

## 1862. PREYER, W., and ZIRKEL, F. Reise nach Island im Sommer 1860. Mit wissenschaftlichen Anhängen. Leipzig. Brockhaus. 1862. 8vo.

Anhang C. Systematische Uebersicht der Rückgratthiere Islands. Von Wm. Preyer. pp. 377-434. Gives lists of the species, with notes on the eggs of many. *Lestris thuliaca*, Preyer, p. 418, sp. n.

1862. RODD, E. H. Occurrence of the Common Skua [*Lestris catarractes*] near the Land's End. < *Zoologist*, xx, 1862, p. 8237.1862. ROGERS, H. Occurrence of the Pomarine Skua [*Stercorarius pomatorhinus*] in the Isle of Wight. < *Zoologist*, xx, 1862, p. 8288.1862. SAXBY, H. L. Variety of the Common Gull [*Larus canus*]. < *Zoologist*, xx, 1862, p. 7883.1862. WILSON, W. Occurrence of the Little Gull [*Larus minutus*] and Little Auk [*Alca alle*] near Lynn. < *Zoologist*, xx, 1862, p. 7939.1863. ANON. Die Mövenkolonie auf Rottum. < *Aus der Natur*, xxiii, oder n. F., xi, Jan. März, 1863, pp. ———.

Not seen.

1863. BLAKE-KNOX, H. Skuas [*Stercorarius skua*] on the Coast of Dublin. < *Zoologist*, xxi, 1863, pp. 8332, 8333.

1863. CLERMONT, Lord. The Arctic Skua [*Stercorarius parasiticus*] feeding on Worms near Newry. < *Zoologist*, xxi, 1863, p. 8692.
1863. COUES, E. On the *Lestris richardsoni* of Swainson; with a Critical Review of the Subfamily Lestridinæ. < *Proc. Acad. Nat. Sci. Phila.*, xv, 1863, pp. 121-138.  
From his discussion of the claims of *Lestris richardsoni* to be considered a good species, the author passes to review the entire subfamily, recognizing the following genera and species:—  
I. BUTHAGES, Moehr. 1, *B. skua* (Brünn.). 2, *B. antarcticus* (Less.).  
II. STERCORARIUS, Briss. 3, *S. pomarinus* (Temm.) (lege *pomatorhinus*). 4, *S. parasiticus* Brünn. 5, *S. richardsoni* (Sw.). 6, *S. hardyi* (Bp.). 7, *S. spinicauda* (Bp.). 8, *S. buffoni* (Boie).  
The nomenclature of this paper is eccentric, the author having apparently imbibed some untenable views of G. R. Gray's on this subject. *S. richardsoni* has not proved valid. The four unquestionable Jägers of the Northern Hemisphere are carefully distinguished and adequately described, with copious synonymy. See same author at 1874, *Birds of the Northwest*.  
Cf. *Ibis*, 1864, pp. 127, 128.
1863. COUES, E. [On the specific validity of *Larus smithsonianus*.] < *Ibis*, v, 1863, p. 367.
1863. DUNN, J. H. Pomarine Skuas [*Stercorarius pomatorhinus*] in the Orkneys. < *Zoologist*, xxi, 1863, p. 8332.
1863. DUTTON, J. The Pomarine Skua [*Stercorarius pomatorhinus*] off Beachy Head. < *Zoologist*, xxi, 1863, p. 8333.
1863. MATHEWS, M. A. Sabine's Gull (*Larus* [*Xema*] *Sabini*) in Devonshire. < *Zoologist*, xxi, 1863, p. 8448.
1863. MATHEWS, M. A. Buffon's Skua (*Lestris parasiticus*) near Wellington. < *Zoologist*, xxi, 1863, p. 8448.
1863. MATHEWS, M. A. The Little Gull [*Larus minutus*] and Sabine's Gull [*Xema sabinii*] at Weston-super-Mare. < *Zoologist*, xxi, 1863, p. 8692.
1863. NEWMAN, E. Pomarine Skuas [*Stercorarius pomatorhinus*] on the English Coast. < *Zoologist*, xxi, 1863, p. 8333.
1863. ROGERS, H. The Pomarine Skua [*Stercorarius pomatorhinus*] in the Isle of Wight. < *Zoologist*, xxi, 1863, p. 8332.
1863. SAXBY, H. L. Pomarine Skua (*Lestris pomarinus*) in Shetland. < *Zoologist*, xxi, 1863, p. 8494.
1863. SCHLEGEL, H. Lari < *Mus. Hist. Nat. Pays-Bas*, 4<sup>e</sup> livr., août 1863, pp. 1-50.  
This group consists of the genera *Larus* and *Stercorarius* of the author, the Terns and Skimmers not being here treated.  
*L. ichthyaetus minor*, subsp. n., p. 34.
1863. STEVENSON, H. Sandwich Tern (*Sterna Boysii* [*cantiaca*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8332.
1863. YOUNG, E. Richardson's Skua [*Stercorarius richardsoni*] in Kent. < *Zoologist*, xxi, 1863, p. 8726.
1864. BOULTON, W. W. Sandwich Tern [*Sterna cantiaca*] Shot at Flamborough. < *Zoologist*, xxii, 1864, p. 9291.
1864. BOULTON, W. W. Little Gulls [*Larus minutus*] off Bridlington Quay. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Black Tern [*Hydrochelidon nigra*] at Filey. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Common Skua [*Stercorarius skua*] at Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Richardson's Skuas [*Stercorarius richardsoni*] off Bridlington Quay. < *Zoologist*, xxii, 1864, p. 9365.
1864. BOULTON, W. W. Buffon's Skua [*Stercorarius buffoni*] at Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.

1864. COUES, E. Notes on certain Central-American Laridæ collected by Mr. Osbert Salvin and Mr. F. Godman. < *Ibis*, vi, 1864, pp. 387-393.  
15 or 16 spp. Critical notes. First mention of *Haliplana discolor*, n. s., subsequently described. Field notes by O. S.
1864. FISCHER, J. C. H. Larus rossii [Rhodostethia rosea] paa Færøerne. < *Krøyer's (Schjødte's) Naturhist. Tidssk.*, iii, 1864, pp. 8-10.  
Cf. *Ibis*, 1865, pp. 103, 238.
1864. GOULD, J. Description of a New Species of Gull [Chroicocephalus tibetanus] from Tibet. < *P. Z. S.*, xxxii, 1864, pp. 54, 55.
1864. GOULD, J. Description of a New Species of Gull from Tibet [Chroicocephalus tibetanus]. < *Ann. Mag. Nat. Hist.*, 3d ser., xiv, 1864, pp. 279, 280.  
From *P. Z. S.*, Feb. 9, 1864, pp. 54, 55.
1864. SCHLEGEL, H. Sterneæ < *Mus. Hist. Nat. Pays-Bas*, 5<sup>e</sup> livr., 1864, pp. 1-44.  
The Sterneæ of this author include the three genera *Sterna* (37 spp.), *Rhynchops* (3 spp.), and *Dromas* (1 sp.)!, represented by 371 specimens in the Leyden Museum. *Sterna bernsteini*, p. 9. The monograph is dated Sept., 1863, but livr. 5 did not appear until 1864.
1865. ALSTON, E. R. [On J. Sabine's specimen of Larus rossii (Rhodostethia rosea). Cf. *Ibis*, 1865, p. 238.] < *Ibis*, 2d ser., i, 1865, pp. 547, 548.
1865. ALSTON, E. R. Kittiwake [Rissa tridactyla] in Ayrshire in Winter. < *Zoologist*, xxiii, 1865, p. 9470.
1865. BLAKE-KNOX, H. Iceland Gull [Larus leucopterus] in Dublin Bay. < *Zoologist*, xxiii, 1865, p. 9470.
1865. GATCOMBE, J. Whiskered Tern [Hydrochelidon leucoparia] on the Coast of Devon. < *Zoologist*, xxiii, 1865, p. 9629.
1865. HARTING, J. E. Pure White Gull [species not named]. < *Zoologist*, xxiii, 1865, p. 9784.
1865. MATHEW, M. A. Sabine's Gull [Xema sabinii] and the Ivory Gull [Pagophila eburnea] at Weston-super-Mare. < *Zoologist*, xxiii, 1865, p. 9470.
1865. MATHEW, M. A. Ivory Gull ["Pagophila eburnea"] at Weston-super-Mare. < *Zoologist*, xxiii, 1865, p. 9566.  
Cf. *Zool.*, p. 9734.
1865. MATHEW, G. F. Carnivorous Propensity of the Great Blackbacked Gull [Larus marinus]. < *Zoologist*, xxiii, 1865, p. 9619.
1865. MATHEW, M. A. The Ivory Gull [Pagophila eburnea]: Correction of an Error [Zool., p. 9566]. < *Zoologist*, xxiii, 1865, p. 9734.
1865. [NEWTON, A.] [On the known specimens (5 in number) of Rhodostethia rosea. Cf. *Fn. Bor.-Am.*, ii, p. xii; *Naturh. Tidssk.*, 3d ser., iii, 1864, p. 8; *J. f. O.*, 1855, p. 278; *Naum.*, 1858, p. 307; *Zool.*, pp. 1694, 1785, 3388.] < *Ibis*, 2d ser., i, 1865, pp. 103, 104; also p. 238; see also p. 547.
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It may be observed that the authors' use of *Sterna maxima* Bodd. for what American ornithologists had mostly called *S. regia* Gamb. is doubtless correct; but it has been since shown that their reference of *S. elegans* Gamb. to *S. galericulata* Licht. is erroneous. The paper on the whole is of a high degree of reliability.
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1873. MATHEW, G. F. [Note on habits of] Gulls off Valparaiso. < *Zoologist*, 2d ser., viii, 1873, pp. 3493, 3494.
1873. RODD, E. H. Iceland Gull [*Larus leucopterus*] at Mount's Bay. < *Zoologist*, 2d ser., viii, 1873, p. 3455.
1873. WHITAKER, J., JR. Glaucous Gull [*Larus glaucus*] in Nottinghamshire. < *Zoologist*, 2d ser., viii, 1873, p. 3493.
1874. BALL, R. Affection of the Sea Gull for its Young. < *Zoologist*, 2d ser., ix, 1874, p. 4201.

1874. BATTY, J. H. Pugnacity of the Great Black-back Gull [*Larus marinus*]. < *Forest and Stream*, ii, Mar. 12, 1874, p. 70.
1874. BREWER, T. M. A New North American Bird [*Hydrochelidon leucoptera*, in Wisconsin]. < *Am. Nat.*, viii, 1874, pp. 188, 189.
1874. BREWSTER, W. A new Bird to Massachusetts [*Sterna regia*]. < *Am. Sportsman*, iv, 1874, p. 257.
1874. BOYES, F. Glaucous Gulls [*Larus glaucus*] in East Yorkshire. < *Zoologist*, 2d ser., ix, 1874, pp. 3836, 3837.
1874. CLARK-KENNEDY, A. J. Iceland Gull [a peculiarity of *Larus leucopterus*]. < *Zoologist*, 2d ser., ix, 1874, pp. 4078, 4079.
1874. COUES, E. Monograph of the North American Laridæ. < *Birds of the Northwest*, 1874, pp. 589-717.

The author had paid special attention to the subject, and published three preliminary papers in *Pr. Phila. Acad.*, 1862-'3 (*q. v.*), when the ordering of the *Birds of the Northwest* by the Government gave him an opportunity of reviewing the case, and of presenting much additional matter which had long lain in MSS. The subject was reworked for appearance in the present connection, to include full descriptions of the genera and species, full synonymy, extensive criticism, and some considerable anatomical matter. A large number of colored illustrations had been prepared, but it was not found practicable to use them. (N. B. Many of these will probably appear in the last volume of Baird, Brewer, and Ridgway's *History of North American Birds*, now (Aug., 1880) said to be about to go to press.)

The genera and species recognized by the author are as follows:

- I. LESTRIDINÆ.—1. *Buphagus skua*; a, *skua*; b, *antarcticus*. 2. *Stercorarius pomatorhinus*. 3. *S. parasiticus* (Brünn.). 4. *S. buffoni* (Boie).

- II. LARINÆ.—1. *Larus glaucus*. 2. *L. leucopterus*. 3. *L. glaucescens*. 4. *L. marinus*. 5. *L. argentatus*; a, *argentatus*; b, *smithsonianus*; c, *occidentalis*; d, *borealis*; e? *leucophæus*. 6. *L. californicus*. 7. *L. delawarensis*. 8. *L. canus*; a, *canus*; b, *niveus*; c, *brachyrhynchus*. 9. *L. (Blasipus) heermanni*. 10. *L. (Rissa) tridactylus*; a, *tridactylus*; b, *kotzebui*. 11. *L. (R.) brevirostris* Brandt. 12. *L. (Pagophila) eburneus*. 13. *L. (Chrococephalus) atricilla*. 14. *L. (C.) franklini*. 15. *L. (C.) philadelphia*. 16. *Rhodostethia rosca*. 17. *Xema sabinci*. 18. *Xema furecatum*.

- III. STERNINÆ.—1. *Sterna (Gelochelidon) anglica*. 2. *S. (Thalassus) caspia*. 3. *S. (T.) regia*. 4. *S. (T.) galericulata* (= *elegans*). 5. *S. (T.) cantinea*. 6. *S. trudeaui*. 7. *S. forsteri*. 8. *S. hirundo*. 9. *S. macrura*. 10. *S. dougalli*. 11. *S. portlandica* Ridg. (since abolished.) 12. *S. supercilii* var. *antillarum*. 13. *S. aleutica*. 14. *S. (Haliplana) fuliginosa*. 15. *S. (H.) anæstæta*. 16. *Hydrochelidon lariformis* (L., 1758). 17. *H. nigra* (= *leucoptera* Meisn. & Schinz). 18. *Anous stolidus*.

- IV. RHYNCHOPINÆ.—1. *Rhynchops nigra*.

Various extralimital species are incidentally treated in addition to those recognized as North American.

1874. EVANS, J. Arctic Skua [*Stercorarius buffoni*] in Lincolnshire. < *Zoologist*, 2d ser., ix, 1874, p. 3837.
1874. HARVE-BROWN, J. A. Glaucous Gull [*Larus glaucus*: cf. Zool., s. s., p. 4078]. < *Zoologist*, 2d ser., ix, 1874, p. 4120.
1874. HERRICK, H. A Sea Bird [*Stercorarius parasiticus*] away from Home. < *Am. Sportsman*, v, Dec. 12, 1874, p. 167.
- Occurrence of this species at Chatham, N. J.
1874. KIRTLAND, J. P. A rare Bird [*Stercorarius richardsoni*, in Ohio]. < *Proc. Cleveland Acad. Nat. Sci.*, 1874, p. 133. [Read 1857.]
1874. MAYNARD, C. J. A Naturalist on the National [Sportsmen's Association]. < *Am. Sportsman*, iv, 1874, p. 329.
- Statements as to slaughter of Gulls and Terns (*Laridæ*), etc., along the New England coast: causes of decrease of birds.
1874. RANDALL, W. S. The Common Gull (*Larus canus*) in Captivity. < *Zoologist*, 2d ser., ix, 1874, pp. 4129-4131.
1874. RICKARDS, M. S. C. Pomarine Skua [*Stercorarius pomatorhinus*] in North Devon. < *Zoologist*, 2d ser., ix, 1874, pp. 4240, 4241.

1874. RICKARDS, M. S. C. Richardson's Skua [*Stercorarius richardsoni*] near Clevedon and at Instow. < *Zoologist*, 2d ser., ix, 1874, p. 4241.
1874. RIDGWAY, R. Notice of a Species of Tern [*Sterna portlandica*, sp. n.] new to the Atlantic Coast of North America. < *Am. Nat.*, viii, 1874, p. 433.  
This alleged new species occasioned considerable writing before it was finally identified with *S. macrura*.
1874. RODD, E. H. Buffon's Skua [*Stercorarius buffoni*] near Falmouth. < *Zoologist*, 2d ser., ix, 1874, pp. 4239, 4240.
1874. SAUNDERS, H. Remarks on the Grey-capped Gulls [*Cirrhocephalus* Bp.] and on the Species with which they have been confounded. < *P. Z. S.*, 1874, pp. 291-295.
1874. SCLATER, P. L. The Yellow-legged Herring-Gull [*Larus leucophæus*]. < *Ibis*, 3d ser., iv, 1874, p. 100.  
A note on its geographical distribution.
1874. SHAW, J. Little Gull [*Larus minutus*] near Shrewsbury. < *Zoologist*, 2d ser., ix, 1874, p. 4262.
1874. TAYLOR, W. Caspian Tern [*Sterna caspia*] at Birmingham. < *Zoologist*, 2d ser., ix, 1874, pp. 4036, 4037.
1874. "W. M. S." A Domesticated Gull. < *Am. Sportsman*, iv, 1874, p. 171.
1875. ANON. [Mode of catching Sea Gulls alive at Mt. Desert, Maine.] < *Forest and Stream*, v, Dec. 23, 1875, p. 308.
1875. BENNER, F. *Sterna portlandica*. < *Rod and Gun*, vi, Apr. 3, 1875, p. 7. See also p. 56.
1875. BREWSTER, W. Some notes on a new species of North American Tern [*Sterna portlandica*]. < *Am. Sportsman*, v, Jan. 16, 1875, p. 249.  
Notice of *Sterna portlandica*, Ridg., collected on Muskeget Island, Mass., July 1, 1870.
1875. BREWSTER, W. A New Bird [*Sterna regia*] to Massachusetts. < *Am. Sportsman*, v, Jan. 16, 1875, p. 249.  
Capture of ♂ and ♀ on Nantucket Island, July 1, 1874; the female bore marks of breeding.
1875. BREWSTER, W. Occurrence of the Fork-tailed Gull [*Xema sabini*] in Mass[achusetts]. < *Am. Sportsman*, v, Mar. 13, 1875, p. 370.  
Read before Nuttall Ornithological Club, 1875.
1875. BULLER, W. L. Notes on an alleged new Species of Tern (*Sterna alba*, Potts). < *Trans. and Proc. New Zealand Inst. for 1874*, vii, 1875, pp. 214, 215.
1875. COPE, W. J. Blackheaded Gulls [*Larus ridibundus*] at South Kirkby. < *Zoologist*, 2d ser., x, July, 1875, p. 4541.
1875. "F. W. S." *Sterna portlandica*. < *Am. Sportsman*, v, Feb. 13, 1875, p. 314.  
Its nesting in numbers on an island off the coast of Maine. (= *S. macrura*.)
1875. GURNEY, J. H., JR. Herring Gulls [*Larus argentatus*] carrying off wounded Dunlins. < *Zoologist*, 2d ser., x, Oct., 1875, pp. 4666, 4667.
1875. GURNEY, J. H., JR. Audacity of a Common Skua (*Stercorarius catarrhæctes* (Linn.)). < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4698, 4699.
1875. LEGG, W. H. Little Gull [*Larus minutus*] in Summer Plumage in February. < *Zoologist*, 2d ser., x, May, 1875, p. 4459.
1875. MATHEW, M. A. Pomatorrhine Skua [*Stercorarius pomatorhinus*] at Instow. < *Zoologist*, 2d ser., x, Jan., 1875, p. 4300.
1875. MAYNARD, C. J. Bird murder—*Sterna portlandica*. < *Rod and Gun*, vi, Apr. 24, 1875, p. 56. See also p. 7.
1875. NEWTON, [A.] [Exhibition of two specimens of *Rhodostethia rosea* from Greenland.] < *P. Z. S.*, May 4, 1875, p. 349.
1875. NICHOLLS, H., JR. Singular Freak of a Herring Gull [*Larus argentatus*]. < *Zoologist*, 2d ser., x, Nov., 1875, p. 4698.

1875. RIDGWAY, R. Note on *Sterna longipennis* Nordmann. < *Am. Nat.*, ix, No. 1, Jan., 1875, pp. 54, 55.  
Critical comparison of *S. hirundo*, *longipennis*, *portlandica*, and *pikoi*.
1875. ROCKE, J. Correction of an Error [Zool., s. s., p. 4262, respecting *Xema sabinii*]. < *Zoologist*, 2d ser., x, Jan., 1875, pp. 4299, 4300.
1875. SAUNDERS, H. [Remarks on a Gull from Lower California, referable to *Larus fuscus*.] < *P. Z. S.*, Mar. 16, 1875, p. 158.
1875. SAUNDERS, H. On the Immature Plumage of *Rhodostethia rosea*. < *Ibis*, 3d ser., v, 1875, pp. 484-487.  
With enumeration of 11, perhaps 12, known specimens of this species.
1875. WARREN, R., JR. Notes on the Autumnal Migration of *Lestris Richardsonii* and *L. pomarinus* in Killala Bay and the Moy Estuary. < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4699-4703.
1876. A[LL]EN, J. A. The Portland Tern [*Sterna portlandica*]. < *Bull. Nutt. Ornith. Club*, i, No. 3, Sept., 1876, pp. 71, 72.  
Notice of W. Brewster's paper, *Ann. Lyc. Nat. Hist. N. Y.*, xi, p. 200, where *Sterna portlandica* is referred to *S. macrura*.
1876. BREWSTER, W. Some Additional Light on the so-called *Sterna portlandica*, Ridgway. < *Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, pub. Feb., 1876, pp. 200-207.  
Critical examination of the supposed species, which is identified with *S. macrura*.
1876. BREWSTER, W. *Sterna portlandica*, Ridgway. < *Rod and Gun*, viii, Apr. 15, 1876, p. 37.  
Reprinted from *Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, pub. Feb., 1876, p. 200.
1876. DARRAGH, T. Audacity of the Common Skua [*Stercorarius skua*]. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.
1876. GURNEY, J. H., JR. Black Tern [*Hydrochelidon nigra*] in Durham. < *Zoologist*, 2d ser., xi, Jan., 1876, pp. 4766, 4767.
1876. GURNEY, J. H., JR. Second Instance of the Audacity of the Skua [*Stercorarius skua*]. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.
1876. GURNEY, J. H., JR. Sabine's Gull [*Xema sabinii*] at Bridlington Quay. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.
1876. GURNEY, J. H., JR. Kittiwake [*Rissa tridactyla*] in Winter. < *Zoologist*, 2d ser., xi, Aug., 1876, p. 5048.
1876. HADFIELD, H. Common Gull [*Larus canus*]. < *Zoologist*, 2d ser., xi, June, 1876, pp. 4959, 4960.
1876. HARVIE-BROWN, J. A. "Kittiwake [*Rissa tridactyla*] in Winter" (Zool. S. S. 5048). < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5086.
1876. HEATON, W. H. Does the Common Gull [*Larus canus*] breed in the Scilly Isles? < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126.
1876. [INGERSOLL, E.] *Sterna Portlandica*. < *Forest and Stream*, vi, Mar. 23, 1876, p. 100.  
Review of paper (*Ann. Lyc. Nat. Hist. N. Y.*, xi, Nov., 1875, p. 200) on *Sterna portlandica*.
1876. JOUY, P. L. Notes on Forster's Tern. *Sterna forsteri*, Nutt. < *Field and Forest*, ii, No. 2, Aug., 1876, pp. 29-31.  
As observed in the District of Columbia, U. S.
1876. KERRY, F. Iceland Gull [*Larus leucopterus*] at Aldeburgh. < *Zoologist*, 2d ser., xi, 1876, p. 4848.
1876. LE BARON, J. F. Short-Tailed Tern [*Hydrochelidon nigra*] in Massachusetts. < *Forest and Stream*, v, Jan. 20, 1876, p. 372.
1876. MATHEW, M. A. Herring Gulls [*Larus argentatus*] at Tintagel. < *Zoologist*, 2d ser., xi, Oct., 1876, p. 5126, 5127.

1876. SAUNDERS, H. On the Stercorariine or Skua Gulls. < *P. Z. S.*, Mar. 21, 1876, pp. 317-332, pl. xxiv.

Monographic; copious synonymy, description and criticism. The author recognizes one genus and 6 spp. *Stercorarius calarrhætes*, *S. antarcticus*, *S. chilensis* (figured pl. 24), *S. pomatorhinus*, *S. crepidatus* (= *parasiticus* auct.), and *S. parasiticus* L. (= *buffoni* auct.). Of the smaller species the same three spp. as given by Coues are recognized, but the synonymy is much better worked out.

1876. SAUNDERS, H. On the Sternine, or Terns, with Descriptions of three new Species. < *P. Z. S.*, June 20, 1876, pp. 638-672, figg. 1-5, pl. lxi.

The second of three papers in which the Jägers, Terns, and Gulls are respectively monographed. The author studied the family diligently, and enjoyed exceptional facilities for examining type-specimens; his results, therefore, being entitled to much consideration. After some general remarks, the following species are treated with synonymy, criticism, geographical distribution, and in some cases with description:—

1. *Hydrochelidon hybrida*; 2. *H. leucoptera*; 3. *H. nigra*. 4. *Sterna magnirostris*; 5. *S. anglica*; 6. *S. seena*; 7. *S. melanogaster*; 8. *S. antarctica*; 9. *S. virgata*; 10. *S. vittata*; 11. *S. hirundinacea*; 12. *S. albigena*; 13. *S. flaviatilis*; 14. *S. tibetana*, sp. n., p. 649; 15. *S. longipennis*; 16. *S. macrura*; 17. *S. forsteri*; 18. *S. dougalli*; 19. *S. cantiaea*; 20. *S. elegans*; 21. *S. curvirostris*, sp. n., p. 654, fig. 1; 22. *S. media*; 23. *S. maxima*; 24. *S. aspia*; 25. *S. bernsteini*; 26. *S. bergii*; 27. *S. frontalis*; 28. *S. trudeanæ*; 29. *S. melanogaster*; 30. *S. minuta*; 31. *S. antillarum*; 32. *S. superciliosa*; 33. *S. sacensis*; 34. *S. sumatrana*; 35. *S. neris*; 36. *S. exilis*; 37. *S. bulweri*; 38. *S. alberta*; 39. *S. anetheta*, fig. 3; 40. *S. lunata*; 41. *S. fuliginosa*, fig. 2. 42. *Ninia inca*. 43. *Gygis candida*, fig. 4; 44. *G. microrhyncha*, sp. n., p. 668, fig. 5. 45. *Anous stolidus*; 46. *A. tenuirostris*, pl. lxi, fig. 1; 47. *A. melanogenys*, pl. lxi, fig. 2. 48. *A. leucophaea*, pl. lxi, fig. 3; 49. *A. ceruleus* (cf. *P. Z. S.*, 1878, p. 271, seq.).

See Coues, *Bull. Natl. Ornith. Club*, iii, 1878, pp. 140-142.

1876. TUCK, J. G. Little Gulls [*Larus minutus*] off Flamborough Head. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Glaucous Gull [*Larus glaucus*] at Flamborough. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Sandwich Tern [*Sterna cantiaea*] on Filey Brigg. < *Zoologist*, 2d ser., xi, Feb., 1876, p. 4804.

1876. TUCK, J. G. Ivory Gull [*Pagophila eburnea*], &c. < *Zoologist*, 2d ser., xi, June, 1876, p. 4960.

1876. WALDEN, Lord. [Letter on *Sterna albigena* Rüpp. on the Bombay Coast.] < *Ibis*, 3d ser., vi, July, 1876, pp. 384, 385.

1876. WHITAKER, J. Common Skua [*Stercorarius skua*] near Mansfield. < *Zoologist*, 2d ser., xi, Apr., 1876, p. 4883.

1877. ANDERSON, A. [Remarks on exhibition of young examples of *Rhynchops albigollis* and *Seena aurantia*.] < *P. Z. S.*, Dec. 4, 1877, p. 807.

No difference in the bills on first hatching, so that the extraordinary shape of that of *Rhynchops* must be later developed.

1877. DEANE, R. Occurrence of the Sooty Tern [*Sterna fuliginosa*] in Massachusetts. < *Bull. Natl. Ornith. Club*, ii, No. 1, Jan., 1877, p. 27.

1877. GURNEY, J. H., JR. [On a peculiar white stage of plumage of *Larus glaucus*.] < *Ibis*, 4th ser., i, Oct., 1877, p. 492.

This seems to be what Coues called *Larus hutchinsii* (after Rich., *F. B. A.*, ii, 1881, p. 419) in *Pr. Phila. Acad.*, 1862, p. 294. See Coues, *B. Northwest*, 1874, p. 621.

1877. HUME, A. O. [Letter on the distinctness of species of *Anous*, with reference to *P. Z. S.*, 1876, p. 638, pl. lxi.] < *P. Z. S.*, Nov. 6, 1877, p. 683.

1877. ROBERTS, T. S. Notes on the Breeding of the Black Tern (*Hydrochelidon lariformis*) in Minnesota. < *Bull. Natl. Ornith. Club*, ii, No. 2, Apr., 1877, pp. 34-36.

1877. ROWLEY, G. D. On Scolton Mere, Norfolk, and the Black-headed Gull (*Larus ridibundus*). < *Rowl. Orn. Misc.*, ii, pt. x, Oct., 1877, pp. 407-416, pls. lxxvi-lxxviii.

Very interesting. The handsome plates represent scenery, filled with the birds.

Bull. v, 4—32

1877. SAUNDERS, H. [On the Occurrence of the Panay Sooty Tern, *Sterna anæstetha*, in Great Britain.] < *P. Z. S.*, Feb. 6, 1877, p. 43.
1877. SAUNDERS, H. [Remarks on Exhibition of a Specimen of *Sterna alentica* from Alaska.] < *P. Z. S.*, Nov. 20, 1877, p. 754.
1877. SAUNDERS, H. Reports on the Collections of Birds made during the Voyage of H. M. S. 'Challenger.'—No. V. On the Laridæ collected during the Expedition. < *P. Z. S.*, Nov. 20, 1877, pp. 794-800.  
Remarks on 17 spp., with special reference to geographical distribution. "On the whole this collection of *Laridæ*, although small in numbers, is one of the most productive of knowledge which has yet been made by any of our national expeditions."
1877. [SCOTT, W. E. D.] Terns. < *The Country*, i, Dec. 1, 1877, p. 67.  
Observations and data concerning the *Sterninæ* of the U. S. Atlantic Coast.
1878. ALLEN, J. A. Sabine's Gull [*Xema sabinii*] in Maine. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 195.  
Only other New England record for this species is found in *Am. Sportsman*, v, 1875, p. 370; *Proc. Bost. Soc. Nat. Hist.*, xvii, 1875, p. 449.
1878. BALLOU, W. H. Additions to the Avi-fauna of Illinois. < *The Oölogist*, iv, No. 4, June, 1878, p. 32.  
*Stercorarius buffoni*.
1878. BENNER, F. The gulls of New York Bay. < *The Country*, i, Jan. 5, 1878, p. 133.
1878. B[REWER], T. M. Saunders on the Larinæ. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, pp. 185-187.  
Review of the paper in *P. Z. S.*, Feb. 5, 1878, pp. 155-212.
1878. BREWER, T. M. The Skua Gull (*Stercorarius catarractes*) on the Coast of Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 188.  
A suspicious statement that this is the first recorded instance of its occurrence in "any part of North America other than Greenland". (*Cf. Lawr. in Baird's B. N. A.*, 1858, p. 838; "California".)
1878. BREWSTER, W. The Short-tailed Tern (*Hydrochelidon fissipes*) in Massachusetts. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 190.  
Its common occurrence, where it had been considered a rare visitor.
1878. COLLINS, W. H. Notes on the Nesting of the Black Tern [*Hydrochelidon lariformis*], at St. Clair Flats, Mich[igan]., June 7, 1878. < *The Oölogist*, iv, No. 4, June, 1878, p. 26.
1878. COUES, E. Mr. H. Saunders on the Sterninæ. < *Bull. Nutt. Ornith. Club*, iii, No. 3, 1878, pp. 140-142.  
Favorable review of the paper in *P. Z. S.*, 1876, pp. 638-672; presenting also a synonymatic synopsis of the 17 North American species, according to the author reviewed.
1878. DEANE, R. The Sooty Tern [*Sterna fuliginosa*] in New Hampshire. < *Bull. Nutt. Ornith. Club*, iii, No. 4, Oct., 1878, p. 195.  
Its first recorded occurrence in that State, though well known as a bird of Massachusetts, Connecticut, and Rhode Island.
1878. [EDITORIAL.] Instinct in Birds. < *The Country*, ii, July 6, 1878, p. 168.  
Remarks upon an anecdote of "instinct" in a Gull.
1878. FIELDEN, H. W. [Letter on the occurrence of *Rhodostethia rosea* in the Novaya Zemlya Sea.] < *Ibis*, 4th ser., ii, Apr., 1878, pp. 200, 201.  
Shot by Julius Payer, summer of 1873; *Cf. English ed. of New Lands within Arctic Circle*, ii, p. 91.
1878. GAETKE, H. [Letter on the occurrence of *Larus affinis* in Heligoland.] < *Ibis*, 4th ser., ii, Oct., 1878, p. 489.
1878. ROWLEY, G. D. *Larus tridactylus*. (The Kittiwake Gull.) < *Rowl. Orn. Misc.*, iii, pt. xiv, May, 1878, pp. 233-236, pl. exi.

1878. SAUNDERS, H. On the Larinæ or Gulls. < P. Z. S., Feb. 5, 1878, pp. 155-212, figg. 16.

This is an admirable memoir, which was immediately accepted as the leading authority upon the subject. The principal previous Laridists were Boie, Brehm, Bruch, Bonaparte, Schlegel, Blasius, Cones, and Selater and Salvin.

"The literature of this group has been rendered specially intricate through the perverted ingenuity of two systematists who have undertaken its revision. Boie and Brehm are not guiltless. . . . But when Bonaparte and Bruch undertook the revision of the *Larinæ* of the whole world, they speedily enveloped the question in a perfect fog of synonymy; . . . and to the work of the declining days of both these authors we owe at least half of the synonymy which encumbers these pages. It was their intention to perform a similar office for the Terns; but death cut their plans short. . . ."

In Bonaparte's last completed list (for that in *Consp. Av.* was never finished) in *Comptes Rendus*, xlii, 1856, p. 770, he makes 68 spp. and 22 genu. of *Larinæ*, besides 5 doubtful species. Schlegel's *Mus. Pays-Bas* is said by Blasius to be the foundation of all true Gull-knowledge. Blasius reduces the species to 35. Saunders here gives 49 spp. under the 5 genera *Pagophila*, *Rissa*, *Larus*, *Rhodostethia*, and *Xema*. These are carefully treated, with copious synonymy, habitat, description in some cases, and the important critical remarks which Mr. Saunders's general familiarity with the subject and especially his examination of many type specimens enabled him to offer. Much of the "fog" is lifted from the subject, and many of the spectres of Bonaparte's and Bruch's distorting mediumship are laid, it is to be hoped, forever. The figures illustrate the pattern of the primaries of many of the species. The paper closes with correction of an error, P. Z. S., 1876, p. 671, where two species are united under name of *Anous ceruleus*.

Saunders recognizes the following species:—1, *Pagophila eburnea*. 2, *Rissa tridactyla*; 3, *bravistris*. 4, *Larus glaucus*; 5, *leucopterus*; 6, *glaucescens*; 7, *argentatus*; 8, *cachinnans*; 9, *affinis*; 10, *occidentalis*; 11, *fuscus*; 12, *californicus*; 13, *delawarensis*; 14, *cunus*; 15, *brachyrhynchus*; 16, *auduboni*; 17, *marinus*; 18, *dominicanus*; 19, *pacificus*; 20, *belcheri*; 21, *heermanni*; 22, *crassirostris*; 23, *modestus*; 24, *fuliginosus*; 25, *scoreshii*; 26, *novæ hollandiæ* (figg. 1-3); 27, *scopulinus* (f. 4); 28, *hartlaubii* (f. 5); 29, *bulleri* (figg. 6, 7); 30, *gelastes* (f. 8); 31, *leucophthalmus*; 32, *hemprichi*; 33, *atricilla*; 34, *franklini*; 35, *serranus* (f. 9); 36, *brunneiceps* (f. 10); 37, *ichthyæctus*; 38, *melanæcephalus* (f. 11); 39, *ridibundus* (f. 12); 40, *maculipennis* (f. 13); 41, *glaucoles* (f. 14); 42, *cirrocephalus*; 43, *phærocephalus*; 44, *saundersi* (f. 15); 45, *minutus*; 46, *philadelphia* (f. 16). 47, *Rhodostethia rosea*. 48, *Xema sabinii*; 49, *X. furcatum*.

The following dates of introduction of generic names may be found useful:—

1766. *Larus*, Linn., S. N., p. 224; for all Gulls. 1819. *Xema*, Leach, *App. Ross's Voy.*, p. lvii; *X. sabinii*. 1822. *Xema*, Boie, *Isis*, p. 563; for European hooded Gulls. 1844. *Xema*, Boie, *Isis*, p. 192; for various spp. (N. B. *Gavia*, Moehring, 1752, out of date; *Gavia*, Briss., 1760, indefinite.) 1822. *Gavia*, Boie, *Isis*, p. 563; *L. eburneus* and *L. tridactylus*. 1826. *Gavia*, Boie, *Isis*, p. 980; *L. eburneus*. 1844. *Gavia*, Boie, *Isis*, p. 191; various spp. 1829. *Gavia*, Macg., *Man. Brit. Orn.*, p. 239; for all hooded Gulls. 1853. *Gavia*, Bruch, *J. f. O.*, p. 106; for small grey-mantled hoodless Gulls. 1825. *Rissa*, Steph., *Shaw's Gen. Zool.*, xiii, pt. i, p. 180; *L. tridactylus*. 1829. *Cheimonea*, Kaup, *Sk. Ent. Eur. Thierw.*, pp. 84, 196; *L. tridactylus*. 1829. *Pagophila*, Kaup, *op. cit.*, pp. 69, 186; *L. eburneus*. 1829. *Leucus*, misprint for *Leucus*, Kaup, *op. cit.*, pp. 86, 196; for *L. marinus*, *glaucus*, *fuscus*. 1857. *Leucus*, Bp., C. A., ii, p. 215; *L. glaucus*, etc. 1829. *Hydrocolerus*, Kaup, *op. cit.*, pp. 113, 196; *L. minutus*, etc. 1829. *Ichthyæctus*, Kaup, *op. cit.*, pp. 102, 196; *L. ichthyæctus*. 1831. *Laroides*, Brehm, V. D., 738; for most European hoodless Gulls. 1836. *Chroicocephalus*, Eyton, *Brit. B.*, p. 53; for the hooded Gulls (emend *Kroicocephalus*, Jameson, 1839; *Chroicocephalus*, Reich., *Chroicocephalus*, Strickl., 1841; *Chroicocephalus*, S. & S., 1871). 1838. *Rossia*, Bp., *Comp. List*, p. 62; no descr.: preoccupied. 1842. *Rhodostethia*, Macg., *op. cit.*, pt. ii, p. 251; *L. roseus*. 1842. *Cetosparactes*, Macg., *ibid. cit.*, p. 251; *L. eburneus*. (*Catosparactes*, Gray, G. of B., iii, 1845, p. 655, note.) 1852. *Plautus*, Reich., *Nat. Syst. Vög. Longip.*, p. 5 (after Klein, 1750; out of date). 1853. *Glaucus*, Bruch, *J. f. O.*, p. 101; for large and medium gray-mantled spp. 1853. *Gabianus* "Bp.", Bruch, *J. f. O.*, p. 100; Bp., *Naum.*, 1854, pp. 211, 215; *L. pacificus*. 1854. *Garina*, Bp., *Naum.*, p. 212; for *L. canus*, etc. 1857. *Garina*, Bp., C. A., ii, p. 222; *L. auduboni*. 1853. *Dominicanus*, Bruch, *J. f. O.*, p. 100; for large dark-mantled Gulls. 1853. *Leucophæus* "Bp.", Bruch, *J. f. O.*, p. 108; *L. scoreshii*. 1854. *Leucophæus*, Bp., *Naum.*, p. 211; also includes *L. heermanni*. 1857. *Leucophæus*, Bp., C. A., ii, p. 231; *L. fuliginosus* and *L. belcheri*. 1853. *Blasipus* "Bp.", Bruch, *J. f. O.*, p. 108; *L. modestus*. 1854. *Blasipus*, Bp., *Naum.*, p. 211, includes *crassirostris*. 1853. *Adelarus* "Bp.", Bruch, *J. f. O.*, p. 106; for dark-mantled hooded spp. 1854. *Gelastes*, Bp., *Naum.*, p. 212; for *L. gelastes*, etc. 1854. *Atricilla*, Bp., *Naum.*, p. 212; for *L. atricilla*. 1854. *Creagrus*, Bp., *Naum.*, p. 213; for *L. furcatum*. 1854.

## 1878. SAUNDERS, H.—Continued.

*Gavia*, subgg. *Melagavia*, *Cirrhocephala*, Bp., *Naum.*, 1854, pp. 212, 213. (*Cirrhocephalus*, Bruch.) 1857. *Bruchigavia*, Bp., *C. A.*, ii, p. 228: a joke. 1854. *Procellarius* sive *Epitelarus*, Bp., *Naum.*, pp. 211, 213; type *neglectus=scoresbii*, juv. (done to "chaff" Cabanis). 1857. *Obupeiars*, Bp., *C. A.*, ii, p. 220; *L. fuscus*, and so forth.

1878. SHARPE, R. B. On a small Collection of Birds from the Ellice Islands. . . .  
With a Note on the other Birds found there, by the Rev. S. J. Whitmee.  
< *P. Z. S.*, Feb. 19, 1878, pp. 271-274.

The collection consists almost entirely of Terns, 5 spp. of which are given, with an *Ardea*. The synonymy of the two Grey Pacific Noddies, alleged to be wrongly given by Saunders (*P. Z. S.*, 1876, p. 671) is worked out, *Anous cinereus* and *Anous ceruleus* being differentiated.

1879. BREWER, T. M. The Black Skimmer [*Rhynchops nigra*] in Massachusetts.  
< *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, p. 243.1879. BOARDMAN, G. A. *Rhynchops nigra* in the Bay of Fundy. < *The Oölogist*, v,  
No. 2, Aug., 1879, pp. 13, 14.

An account of the remarkable flight of these birds, northward from the Middle and Southern States, which occurred this year.

1879. BREWSTER, W. The Terns [*Sterninae*] of the New England Coast. < *Bull.*  
*Nutt. Ornith. Club*, iv, No. 1, Jan., 1879, pp. 13-22.

A well-written popular account of habits, &c.

1879. "C. E. P." and "R. H." The Black Skimmer [*Rhynchops nigra*] in New Jersey.  
< *Forest and Stream*, xiii, Oct. 2, 1879, p. 684.  
Note of capture.1879. DEANE, R. The Black Skimmer (*Rhynchops nigra*) in New England. < *Bull.*  
*Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 242, 243.1879. "F. M." The Gull's Flight. < *Science News*, i, No. 15, June 1, 1879, p. 240.  
On the mechanics of the case.1879. GOSS, N. S. Bonaparte's Gull [*Larus bonapartii*] in Kansas. < *Bull. Nutt.*  
*Ornith. Club*, iv, No. 3, July, 1879, pp. 190, 191.1879. HENSHAW, H. W. Occurrence of the Caspian Tern (*Sterna caspia*) upon the  
Coast of Virginia. < *Bull. Nutt. Ornith. Club*, iv, No. 4, Oct., 1879, pp. 243, 244.1879. MAYNARD, C. J. The Kittiwake Gull. (*Rissa tridactyla*.) < *Town and Country*  
(newspaper of Boston, Mass.) for August, 1879.  
Being Chap. VI of his *Wanderings of a Naturalist*.1879. RICHMOND, C. A. A Tame Gull [*Larus marinus*]. < *Forest and Stream*, xii,  
June 12, 1879, p. 365.

Notice of a specimen kept in captivity for twenty years.

1879. "R. H. R. M." [R. H. ROBERTSON and G. B. GRINNELL.] Northern Range of  
the Black Skimmer [*Rhynchops nigra*]. < *Forest and Stream*, xiii, Nov. 6,  
1879, pp. 784, 785.

Notice of capture of this species at Martha's Vineyard, Mass., by Mr. Robertson, in Aug., 1879, with introduction by G. B. Grinnell, noting the occurrence of the species in New England during the same summer.



**Procellariidæ.**

1674. LACHMUND, F. De ave Diomedea [*Procellaria aequinoctialis*]. Diss. cum vera ejus effigie aeri incisa. Amstelodami. Andr. Fris. 1674. 12mo. pp. 52, pl. Hand mihi obvis: titulus e Caro et Engelm.
1745. LINNÆUS, C. Storm-vaders-fogelen Beskrifven af Carl Linnæus. < *Kongl. Svensk. Vetensk. Acad. Handl.*, vi, 1745, pp. 93-96, pl. vi.  
*Procellaria pelagica*, L., postea. ("Procellaria est avis Passerini ordinis")
1745. LINNÆUS, C. Beschreibung des Ungewittervogels, *Procellaria*. < *Abh. d. Schwed. Akad. für 1745*, pp. 93-96, 1 Taf.  
This German version of the title taken from Carus and Engelmann.
1759. MARTIN, A. R. Beskrifning på en *Procellaria* [glacialis], som finnes vid Norr-polen. < *Kongl. Svensk. Vetensk. Acad. Handl.*, xx, 1759, pp. 94-99, pl. iii.
1759. MARTIN, A. R. Beschreibung einer *Procellaria* [glacialis] die sich um den Nord-pol findet. < *Abhandl. d. Schwed. Acad. für 1759*, pp. 94-98, 1 Taf.  
This German version of the original title extracted from Carus and Engelmann.
1765. GUNNERUS, J. E. Vom Havhest oder Seepferd, einem Seevogel (*Procellaria groenlandica*). < *Der Drontheim Gesellsch. Schrift.*, Th. i, 1765, pp. 154-170, pl. Nicht mir selbst zugänglich: Titel aus Carus & Engelm.
1785. FORSTER, —. Mémoire sur les Albatros [*Diomedea*]. < *Mém. de Math. et Phys. prés. à l'Acad.*, x, 1785, pp. 563-572, pll. 3.  
Pas vu moi-même: le titre tiré de Carus et Engelmann.
1788. ÖDMANN, S. Beskrifning på Hofhästen [*Procellaria glacialis*]. < *Uppfostr.-Sällsk. allm. Tid.*, 1788, D. i., nro. 38.  
Not seen.
1820. KUHLE, H. Beiträge zur Kenntniss der Procellarien. < *Beiträge zur Zool. und Vergl. Anat.*, 1820, pp. 135-149, pll. x, xi, figg. 1-13.  
This important contribution to our knowledge of the *Procellariidæ* forms one of a very miscellaneous collection of zoological and anatomical papers by Kuhl, and by Hassell and Kuhl, published in a sm. 4to volume in 1820. I cite the whole volume elsewhere; but take this paper out for special notice here under *Procellariidæ*.  
The paper on the *Procellariidæ* treats of 28 spp., most of which are described, with synonymy, and the heads of many of which are figured on two folding plates, as follows:  
A. *Narius tubo unico coalitis*: 1. *P. fureata* L., p. 136, pl. 2; *P. oceanica* Banks, p. 136, pl. x, f. 1; 3. *P. marina* Lath., p. 137, pl. x, f. 2; 4. *P. leachi* Temm., p. 137; 5. *P. fregatta* Banks, p. 138, pl. x, f. 3; 6. *P. pelagica*, p. 139; 7. *P. glacialis*, p. 139, pl. x, f. 4; 8. *P. capensis*, L., p. 140; 9. *P. gigantea* L., p. 140; *P. aequinoctialis*, p. 141, pl. x, f. 5; 11. *P. hesitata* Forst., p. 142; 12. *P. fuliginosa* (Banks, tab. 19), p. 142, pl. x, f. 6; 13. *P. desolata* (ex definitione), p. 143, pl. xi, f. 7; 14. *P. turtur* Banks, p. 143, pl. xi, f. 8; 15. *P. grisea* L., p. 144, pl. xi, f. 9; 16. *P. coerulesca* Forst., p. 145; 17. *P. urinatrix* Forst., p. 145; 18. *P. nivea*, p. 145; 19. *P. antarctica* Forst., p. 145; 20. *P. lugens* Forst., p. 145; 21. *P.* — (Forst., pl. 20), p. 145.—B. *Narius aperturis duabus separatis*, etc.: 22. *P. puffinus*, p. 146, pl. xi, f. 10; 23. *P. anglorum*, p. 146; 24. *P. obscura*, p. 147, pl. xi, f. 11; 25. *P. cinerea* L., p. 148, pl. xi, f. 12; 26. *P. munda* (Banks, tab. 24), p. 148; 27. *P. fuliginosa* (Banks, tab. 23), p. 148.—C. *Narius subbasalibus, discretis*, etc.: 28. *P. vittata* Forst., p. 149, pl. xi, f. 13.
1822. EDITORIAL. M. Kuhl's Zoological Observations. < *Edinb. Philos. Journ.*, vii, 1822, pp. 187, 188.  
Relating to absence of air-cells in bones of *Daption capensis*.
1824. BONAPARTE, C. [L.] An Account of Four Species of Stormy Petrels. < *Journ. Acad. Nat. Sci. Phila.*, iii, 1824, pp. 227-233, pll. viii, ix.  
*Procellaria pelagica*, pl. 8; *P. leachi*, pl. ix, upper fig.; *P. wilsonii*, n. sp., p. 231, pl. 9, lower fig.; *P. oceanica*.
1824. [BREHM, C. L.] Der Wintersturm-vogel. *Procellaria hyemalis*, Brehm. < *Ornis*, Heft i, 1824, pp. 20-28.

1824. FABER, F. Beiträge zur arctischen Zoologie. < *Oken's Isis*, Jahrg. viii, 1824, pp. 779-795.  
Zweyte Lieferung. Ueber die isländischen Schwimmvögel mit Rohrennasen (Tubinares). Gattung *Puffinus*: 1) *P. arcticus* Faber, p. 782; 2) *P. major*, n. s.! p. 785. Gattung *Procellaria*: *P. glacialis*, p. 786; *P. pelagica*, p. 791.—Nachtrag zum 'Prodromus,' pp. 792-795.
1824. VIGORS, N. A. New Species of Procellaria. < *Zool. Journ.*, i, 1824, pp. 425, 426.  
Reproduction in part of Bonaparte's article, *Journ. Phila. Acad.*, iii, 1824, pp. 227-233, q. v.
1825. DESMAREST, A. G. Description de quatre espèces de Pétrels ou Oiseaux de tempêtes; par M. Charles Bonaparte. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., iv, 1825, pp. 126-128.  
Extraite du *Journ. Acad. Phila.*, iii, No. 8, 1824, pp. 227-233, q. v.
1826. LESSON, R. P. Remarques sur quelques Oiseaux pélagiens, et particulièrement sur les Albatrosses; par M. Marion de Procé. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., viii, 1826, pp. 277-279.  
Extraite des *Ann. des Sci. Nat.*, viii, mai 1826, pp. 90-96.
1826. PROCÉ, MARION DE. Remarques sur quelques Oiseaux pélagiens, et particulièrement sur les Albatros. < *Ann. des Sci. Nat.*, viii, 1826, pp. 90-96.
1827. ACERBI, G. Intorno ad una specie di Procellaria [yelkouan] osservata nell' Ellesponto, nella Propontide, e nel Bosforo Tracio. < *Bibl. Ital.*, xlvii, 1827, pp. 294-298.  
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1827. BONAPARTE, C. L. Supplement to "an Account of four Species of Stormy Petrel," (Thalassidroma. Vigors). < *Zool. Journ.*, iii, 1827, pp. 89, 90.  
Cf. *Journ. Phila. Acad.*, iii, 1824, pp. 227-233; *Zool. Journ.*, i, 1824, pp. 425, 426.
1829. ACERBI, G. Sur une espèce nouvelle de Procellaria [yelkouan] observée dans l'Hellespont, la mer de Marmora et le détroit de Constantinople: par G. Acerbi. . . . < *Féruss. Bull.*, 2<sup>e</sup> sect., xvi, 1829, pp. 463, 464.  
Voici la description de cette espèce, telle que l'auteur la donne lui même, extraite de la *Biblioteca ital.*, n<sup>o</sup> cxl, août 1827, pp. 294-297.
1830. BONAPARTE, C. L. [Ueber Procellaria wilsoni, n. s. w.] < *Oken's Isis*, Bd. xxiii, 1830, pp. 423, 424.  
From *Journ. Acad. Phila.*, iii, 1824, pp. 227-233, q. v.
1830. BONAPARTE, C. L. Nachtrag zu den Sturmivögeln (Thalassidroma Vigors). < *Oken's Isis*, Bd. xxiii, 1830, p. 1151.  
Cf. *tom. cit.*, pp. 423, 424. Aus d. *Zool. Journ.*, Nr. ix, Vol. iii, 1827, pp. 89, 90.
1831. BENNETT, G. Observations on the Albatross [Diomedea]. < *London Medical Gazette*, viii, 1831, pp. 848—.  
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1831. LOWE, R. T. Note on Procellaria Anginbo, Hein., and Proc. Bulverii, Selby and Jard. < *Zool. Journ.*, v, 1831, p. 384.  
Their identity with each other and with *P. fuliginosa* Gm.
1831. RENNIE, S. Zur Naturgeschichte der Procellaria [pelagica]. < *Froriep's Notizen*, xxxii, No. 691, 1831, pp. 133, 134.  
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1832. ALLIS, T. Inland [in England] Specimens of the Forked-tail Petrel [Cymochorea leucorrhoa]. < *Loudon's Mag. Nat. Hist.*, v, 1832, p. 589.
1832. "ARISTOPHILUS." The British Species of Petrel. < *Loudon's Mag. Nat. Hist.*, v, 1832, pp. 589, 590.
1832. BREE, W. T. Stormy Petrels [Procellaria pelagica] taken in the Interior of the Island [England]. < *Loudon's Mag. Nat. Hist.*, v, 1832, pp. 588, 589.
1832. BREE, W. T. The Fork-tailed Petrel [Cymochorea leucorrhoa] taken at Birmingham. < *Loudon's Mag. Nat. Hist.*, v, 1832, p. 733.
1832. "C." Two Stormy Petrels [Procellaria pelagica] taken at Birmingham. < *Loudon's Mag. Nat. Hist.*, v, 1832, p. 283.

1832. EARLE, —. Ueber das Eierlagen und Aufwachsen der Jungen der *Diomedea exulans*. < *Froriep's Notizen*, xxxiv, No. 738, 1832, pp. 177, 178.  
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1832. STRICKLAND, A. [On the occurrence of *Puffinus fuliginosus*, n. sp., in Yorkshire, England.] < *P. Z. S.*, ii, 1832, pp. 128, 129.
1833. BENNETT, F. D. [On the Larynx of the Albatross (*Diomedea exulans*, Linn.).] < *P. Z. S.*, i, 1833, pp. 78, 79.
1833. D[ENSON?], J. The Wandering Albatross (*Diomedea exulans* L.). < *London's Mag. Nat. Hist.*, vi, 1833, pp. 372-374.  
Its flight, etc.
1833. STRICKLAND, A. Observations on a species of *Procellaria* [*fuliginosa*], new to the British Fauna, which was shot at the mouth of the Tees, in Yorkshire, in August 1828. < *Rep. Brit. Assoc. Adv. Sci. for 1832*, 1833, p. 598.  
An abstract of the paper in *P. Z. S.* for July 12, 1832, pp. 128, 129.
1834. BENNETT, G. [On the Nasal Gland of the wandering Albatross (*Diomedea exulans*, Linn.).] < *P. Z. S.*, ii, 1834, p. 151.
1834. GAIRDNER, M. Observations during a voyage from England to Fort Vancouver, on the Northwest Coast of America. < *Edinb. New Philos. Journ.*, xvi, 1834, pp. 290-302.  
Contains some remarks on Albatrosses, and an allusion to *Chionis*.
1834. KING, P. P. [Observations on Oceanic Birds, particularly those of the Genus *Diomedea*, Linn.] < *P. Z. S.*, ii, 1834, pp. 128, 129.
1834. PROCÉ, MARION DE. Ueber einige Meervögel, insbesondere über die Albatros (*Diomedea*). < *Oken's Isis*, Bd. xxvii, 1834, p. 862.  
Auszug aus d. *Annales des Sci. nat.*, Tom. viii, 1826, pp. 90-96.
1834. "A SUBSCRIBER." The Wandering Albatross (*Diomedea exulans* L.). < *London's Mag. Nat. Hist.*, vii, 1834, p. 74.
1835. BENNETT, F. D. Oberer Kehlkopf von *Diomedea exulans*, habe einen Kehledeckel. < *Oken's Isis*, Bd. xxviii, 1835, p. 537.  
From *P. Z. S.*, 1833, pp. 78, 79.
1835. STRICKLAND, [A.] [*Puffinus fuliginosus*.] < *Oken's Isis*, Bd. xxviii, 1835, pp. 431, 432.  
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1835. TULK, A. The Storm Petrel (*Procellaria pelagica* L.). < *London's Mag. Nat. Hist.*, viii, 1835, pp. 513, 514.  
On the River Thames, in England.
1835. KING, P. P. [Letter respecting certain *Procellariidæ* observed during a voyage from Europe to New South Wales.] < *Lond. and Edinb. Philos. Mag.*, vi, 1835, pp. 387, 388.  
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1835. KING, [P. P.] Brief aus Neuhoiland. < *Oken's Isis*, Bd. xxviii, 1835, p. 1051.  
*Procellariidæ* betreffend. *P. Z. S.*, 1834, p. 128.
1836. HENNING, —. [Note on the capture of an Albatross with a hook.] < *P. Z. S.*, iv, 1836, p. 63.
1837. SKAIFE, J. A Fork-tailed Stormy Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*, in Lancashire]). < *Charlesw. Mag. Nat. Hist.*, i, 1837, pp. 555, 556.
1838. BERTOLONI, A. Annunzi di nuovi Libri < *Nuovi Ann. Sci. Nat. Bologna*, ii, 1838, pp. 156-159.  
Under subhead of G. Gasparrini's *Descrizione delle isole di Tremiti*, etc., occurs matter relating to several *Procellariidæ*.

1838. COUCH, J. A Letter on the Occurrence of *Procellaria wilsoni* [Oceanites oceanicus] on the British Coast. < *Proc. Linn. Soc.*, i, No. 1, 1838, pp. 2, 3.  
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1841. ABBOTT, S. L. [On the habits of the Albatross, *Diomedea exulans*.] < *Proc. Bost. Soc. Nat. Hist.*, i, 1841, p. 8.
1841. "J. M." A strange News-Carrier. < *Ann. Mag. Nat. Hist.*, vi, 1841, pp. 526, 527.  
*Diomedea exulans*. From *Essex (Mass.) Register*, Feb., 1840.
1842. THOMPSON, W. Note on *Puffinus major*, Faber. Greater Shearwater. < *Ann. Mag. Nat. Hist.*, ix, 1842, pp. 433, 434.
1843. GOULD, J. [*Diomedea culminata*, sp. n.] < *P. Z. S.*, xi, 1843, pp. 107, 108.
1843. YARRELL, W. [On a specimen of *Puffinus obscurus*, from the Dardanelles.] < *P. Z. S.*, xi, 1843, p. 70.
1844. CLIFFE, H. F. Note on [the habits of] the Cape Pigeon [*Daption capensis*]. < *Zoologist*, ii, 1844, p. 579.
1844. FISHER, W. R. [On the capture of] Two Fulmar Petrels [*Procellaria glacialis*, off Great Yarmouth], . . . < *Zoologist*, ii, 1844, p. 456.
1844. GOULD, J. On the Family Procellariidae, with descriptions of Ten new Species. < *Ann. Mag. Nat. Hist.*, xiii, 1844, pp. 360-368.  
*Diomedea gibbosa*, *D. olivaceorhyncha*, p. 361; *Procellaria atlantica*, p. 362; *P. mollis*, p. 363; *P. flavirostris*, *Puffinus brevicaudus* (descr. nulla!), *P. sphenurus*, p. 365; *Thalassidroma tropica*, p. 366; *T. melanogaster*, *T. leucogaster*, p. 367; with short notices of many other species of the family.
1844. HOMBRON, —, and JACQUINOT, [H.] Remarques sur quelques points de l'anatomie et de la physiologie des Procellariidées, et essai d'une nouvelle classification de ces oiseaux. < *Compt. Rend. de l'Acad. Sci.*, xviii, 1844, pp. 353-358.  
*Puffinus*, p. 355; *Ossifraga*, p. 356; *Priocella*, p. 357, genn. n.: *P. garnotii*, "nob", p. 357, descr. nulla.
1844. JACQUINOT, —. Remarques sur quelques points de l'anatomie et de la physiologie des Procellariidées, et essai d'une nouvelle classification de ces Oiseaux. < *Revue Zoologique*, vii, 1844, pp. 118, 119.
1844. STRICKLAND, H. E. On *Thalassidroma melitensis*, Schembri, a supposed new species of Stormy Petrel. < *Ann. Mag. Nat. Hist.*, xiv, 1844, pp. 348, 349.  
= *T. pelagica*. The paper also makes a few corrections of *Drummond's Birds of Ionian Islands and Crete*.
1844. YARRELL, W. [On a specimen of *Puffinus obscurus* from the Dardanelles.] < *Ann. Mag. Nat. Hist.*, xiii, 1844, pp. 305, 306.  
From *P. Z. S.*, May 19, 1843, p. 70.
1845. "A. P." [Sur le vol de l'albatros.] < *Revue Zoologique*, viii, 1845, p. 60.  
Extr. du Voyage autour du monde sur la Frégate la Vénus.
1846. HALL, T. Stormy Petrel [*Procellaria pelagica*] in London in 1824. < *Zoologist*, iv, 1846, p. 1502.
1847. "ANON." Occurrence of the Stormy Petrel [*Procellaria pelagica*] at Halifax. < *Zoologist*, v, 1847, p. 1643.
1847. GARTH, J. C. Occurrence of the Stormy Petrel [*Procellaria pelagica*] near Knaresborough. < *Zoologist*, v, 1847, p. 1643.
1847. GOATLEY, T. Occurrence of the Stormy Petrel (*Procellaria pelagica*) near Chipping Norton. < *Zoologist*, v, 1847, p. 1643.
1847. LAWRENCE, G. N. A new species of *Procellaria* [*brevirostris*, afterward called *P. meridionalis*] from Florida. < *Am. Journ. Sci.*, iii, 1847, p. 436.  
From the preliminary notice in *Ann. Lyc. Nat. Hist. N. Y.*, Feb. 18, 1847.

1847. LAWRENCE, G. N. A new species of Procellaria [brevirostris, later *P. meridionalis*] from Florida. < *Ann. Mag. Nat. Hist.*, xx, 1847, p. 21.  
From *Am. Journ. Sci.*, May, 1847, p. 436, *q. v.*
1848. ELLMAN, J. B. Occurrence of the Stormy Petrel (*Thalassidroma* [Procellaria] *pelagica*) at Hailsham. < *Zoologist*, vi, 1848, p. 2073.
1848. LAWRENCE, G. N. Description of a new Species of Procellaria [meridionalis]. < *Ann. Lye. Nat. Hist. N. Y.*, iv, 1848, pp. 475, 476. (Read Feb. 18, 1847.)  
Same as that called *P. brevirostris* on covers of Nos. 8 and 9 of Vol. IV of the *Annals*, and elsewhere published as such in 1847.
1848. MILNER, W. M. E. Occurrence of the Great Shearwater (*Puffinus Anglorum*) near Robin Hood's Bay. < *Zoologist*, vi, 1848, p. 2027.
1849. BORRER, W., JR. Occurrence of the Fork-tail Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Brighton. < *Zoologist*, vii, 1849, p. 2392.
1849. GURNEY, J. H. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Yarmouth. < *Zoologist*, vii, 1849, p. 2622.
1849. MORRIS, F. O. Occurrence of the Fulmar Petrel (Procellaria [Fulmarus] *glacialis*) near Bridlington. < *Zoologist*, vii, 1849, p. 2592.
1850. BOND, F. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near London. < *Zoologist*, viii, 1850, p. 2803.
1850. CURTLER, M. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Worcester. < *Zoologist*, viii, 1850, p. 2706.
1850. ELLMAN, J. B. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Brighton. < *Zoologist*, viii, 1850, pp. 2939, 2970.
1850. GURNEY, J. H. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in Norfolk. < *Zoologist*, viii, 1850, p. 2654.
1850. NEWTON, A. Occurrence of the Fork-tail Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) near Torquay. < *Zoologist*, viii, 1850, p. 2778.
1850. SAXBY, S., JR. Occurrence of the fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in the Isle of Wight. < *Zoologist*, viii, 1850, p. 2969.
1850. TOMES, R. F. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) in Warwickshire. < *Zoologist*, viii, 1850, pp. 2706, 2707.
1851. BREWER, T. M. [Notice of a paper by, on the eggs of Cymochorea leucorrhoa and other Procellariidæ.] < *Proc. Bost. Soc. Nat. Hist.*, iv, 1851, p. 7.
1851. HARPER, J. O. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Lowestoft. < *Zoologist*, ix, 1851, pp. 2990, 2991.
1851. KING, E. L. Occurrence of the Greater Shearwater (*Puffinus cinereus*) at Lynn. < *Zoologist*, ix, 1851, pp. 3234, 3235.
1851. NORMAN, A. W. Occurrence of the Fork-tailed Petrel (*Thalassidroma Leachii* [Cymochorea leucorrhoa]) at Blenheim Park. < *Zoologist*, ix, 1851, p. 3118.
1852. BREWER, T. M. Notice of the Egg of *Thalassidroma leachii* [Cymochorea leucorrhoa], with descriptions of the Eggs of Procellaria bulwerii, Procellaria obscura, and Puffinus major. Read before the Boston Society of Natural History. < *Journ. Bost. Soc. Nat. Hist.*, vi, pt. iii, 1852, pp. 308-312.
1852. NEWTON, A. Some Account of a Petrel [*Estrelata hesitata*], killed at Southacre, Norfolk; with a Description and Synonymy. < *Zoologist*, x, 1852, pp. 3691-3698, figg. 2.
1853. BONAPARTE, C. L. Zoological Notices. < *Rep. Brit. Assoc. Adv. Sci. for 1852*, 1853, (*Misc. Comm.*), p. 72.  
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1853. GRAY, G. R. On a New Species of *Thalassidroma* [hornbyi]. < *P. Z. S.*, xxi, 1853, p. 62.

1853. RODD, E. H. Occurrence of the Fork-tailed Petrel (*Procellaria Leachii* [*Cymochorea leucorrhoa*]) near Penzance. < *Zoologist*, xi, 1853, p. 3756.
1853. YARRELL, W. Occurrence of a Petrel [*Puffinus obscurus*] new to Britain on the West Coast of Ireland. < *Zoologist*, xi, 1853, pp. 3947-3950.
1855. GOULD, J. On a New Species of the Genus *Prion* [*brevirostris*]. < *P. Z. S.*, xxiii, 1855, pp. 87, 88, pl. xciii.
1855. GRAY, G. R. On a New Species of *Thalassidroma* [*hornbyi*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xvi, 1855, p. 78.  
From *P. Z. S.*, May 10, 1853, p. 62.
1855. KLERBÖLLING, M. Om en ny Art. *Procellaria minor*, fra Groenland. < *Förhandl. Skandin. Naturf. i Stockholm, Sjette Möte, år 1851*, 1855, pp. 254, 255.
1856. FULLER, A. Occurrence of the Storm Petrel (*Thalassidroma* [*Procellaria*] *pelagica*) at Newmarket and near Cambridge. < *Zoologist*, xiv, 1856, p. 5065.
1856. GOULD, J. On a new Species of the Genus *Prion* [*brevirostris*]. < *Ann. Mag. Nat. Hist.*, 2d ser., xviii, 1856, pp. 56, 57.  
From *P. Z. S.*, June 12, 1855, p. 87.
1856. RETZIUS, [A.] On the peculiar development of the Vermis Cerebelli in the Albatros (*Diomedea exulans*). < *Rep. Brit. Assoc. Adv. Sci. for 1855, 1856*, (*Misc. Comm.*), p. 133.  
Upon which depends, it is believed, the strong, continuous, and tranquil flight of the bird.
1857. BLOOMFIELD, E. N. Explanation of supposed Phenomenon. < *Zoologist*, xv, 1857, pp. 5365, 5366.  
Of Swallows emerging from the water: the birds being *Procellaria* sp.
1857. COCKS, W. P. Rare British Birds. < *Ann. Mag. Nat. Hist.*, 2d ser., xix, 1857, p. 107.  
Only one sp., *Cymochorea leucorrhoa*.
1857. HADFIELD, H. W. Occurrence of the Forktailed Petrel [*Cymochorea leucorrhoa*] near Tunbridge. < *Zoologist*, xv, 1857, pp. 5429, 5430.
1857. McLACHLAN, R. Food of the Storm Petrel [*Oceanites oceanicus*]. < *Zoologist*, xv, 1857, p. 5833.
1857. RODD, E. H. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhoa*]) near Helston. < *Zoologist*, xv, 1857, p. 5429.
1857. THOMPSON, W. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhoa*]) at Weymouth. < *Zoologist*, xv, 1857, p. 5429.
1858. BORRER, W., JR. Occurrence of the Fulmar Petrel (*Procellaria* [*Fulmarus*] *glacialis*) at Brighton. < *Zoologist*, xvi, 1858, pp. 5988, 5989.
1858. STEVENSON, H. Occurrence of the Dusky Petrel (*Puffinus obscurus*) in Norfolk. < *Zoologist*, xvi, 1858, pp. 6096, 6097.
1859. ELWES, R. Note on the Breeding and Mode of Capture of the Short-tailed Petrel, or Mutton Bird (*Puffinus obscurus* [?]) in the islands in Bass's Straits. < *Ibis*, i, 1859, pp. 397-399.
1859. HATTON [*i. e.*, HUTTON], F. W. Remarks on the Southern Petrels. < *Zoologist*, xvii, 1859, pp. 6331, 6332.
1859. HUTTON, F. W. Remarks on the [habits of the] Southern Petrels. < *Zoologist*, xvii, 1859, pp. 6379, 6380.
1859. MARSH, G. S. Sea Birds [*Procellariidae*] found Inland [in England]. < *Zoologist*, xvii, 1859, p. 6492.
1859. MATHEWS, M. A. Occurrence of the Fulmar Petrel [*Fulmarus glacialis*] in Barnstaple. < *Zoologist*, xvii, 1859, pp. 6447, 6448.
1860. HORTON, E. Use of the Albatross [*Diomedea exulans*]. < *Zoologist*, xviii, 1860, p. 6381.  
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1860. MACGILLIVRAY, J. Zoological Notes from Aneitum, New Hebrides. < *Zoologist*, xviii, 1860, pp. 7133-7142.  
*Procellaria torquata*, n. sp., p. 7133: the only ornithological item.
1860. PENNEY, W. Occurrence of the Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*]) at Poole. < *Zoologist*, xviii, 1860, p. 6892.
1861. PHILIPPI, R. A., and LANDBECK, L. Descripción de una nueva especie de pájaros del género *Thalassidroma* [segethi, p. 27]. < *Anal. Univ. Chile*, xviii, enero 1861, pp. 29, 30.  
 "... i famosos entre los marineros i otros, que los llaman Mother Carey's Kitchen" (lege Mother Carey's Chickens!).
1861. PITTARD, S. R. [Notice of a letter from, containing remarks relative to the flight of Albatrosses (*Diomedea*) and other oceanic Birds.] < *P. Z. S.*, xxix, 1861, p. 135.
1862. BENNETT, G. [Explanation of his diagram (in "Gatherings of a Naturalist in Australasia") of the flight of the Albatross (*Diomedea*).] < *Ibis*, iv, 1862, p. 90.
1862. BENNETT, G. [On an albino *Ossifraga gigantea*.] < *Ibis*, iv, 1862, p. 193.
1862. GOULD, J. [Exhibition and Description of *Prion magnirostris* sp. n.] < *P. Z. S.*, Apr., 8, 1862, p. 125.
1862. GOULD, J. [On *Prion magnirostris*.] < *Ann. Mag. Nat. Hist.*, 3d ser., x, 1862, p. 317.  
 From *P. Z. S.*, Apr. 8, 1862, p. 125.
1862. LAYARD, E. L. Notes on the Sea-birds [chiefly *Procellariidæ*] observed during a Voyage in the Antarctic Ocean. < *Ibis*, iv, 1862, pp. 97-100.
1862. SAVILE, S. P. Breeding Habits of the Petrel [not named; Nova Scotia]. < *Zoologist*, xx, 1862, pp. 7940, 7941.
1862. SAXBY, H. L. Occurrence of the Manx Shearwater [*Puffinus anglorum*] at Sheerness. < *Zoologist*, xx, 1862, p. 8287.
1863. SCHLEGEL, H. *Procellariæ* < *Mus. Hist. Nat. Pays-Bas*, 4<sup>e</sup> livr., Juillet 1863, pp. 1-40.  
 The group here treated is equivalent to the family *Procellariidæ* of authors, and the three genera which the author adopts, viz, *Procellaria*, *Diomedea* and *Halodroma*, represent the three subfamilies into which it is divisible. It is presented in the Leyden Museum by 209 specimens, which the author refers to 43 spp. of *Procellaria*, 8 spp. of *Diomedea*, and 3 spp. of *Halodroma*. Two species, *Proc. incerta*, p. 9, and *P. neglecta*, p. 10, are described as new.
1863. SMITH, Rev. JAMES. The Fulmar Petrel (*Procellaria* [*Fulmarus*] *glacialis*) near Birmingham. < *Zoologist*, xxi, 1863, p. 8449.
1863. STEVENSON, H. The Forktailed Petrel (*Thalassidroma Leachii* [*Cymochorea leucorrhœa*]) in Norfolk. < *Zoologist*, xxi, 1863, p. 8449.
1863. STEVENSON, H. [Occurrence of *Cymochorea leucorrhœa* at Salthouse, near Cromer, England.] < *Ibis*, v, 1863, pp. 235, 236.
- 1864? ———. Some account of the Storm Petrel, Sea Serpent, Albicore, &c., as observed at St. Margaret's Bay, Nova Scotia. < *Trans. Nova Scotia Inst.*, i. pt. ii, 1864?, pp. 34—.
1864. BOULTON, W. W. Manx Shearwater [*Puffinus anglorum*] Shot at Flamborough. < *Zoologist*, xxii, 1864, pp. 9291, 9292.
1864. BOULTON, W. W. Manx Shearwater [*Puffinus anglorum*] at Flamborough and Filey. < *Zoologist*, xxii, 1864, pp. 9330, 9331.
1864. BOULTON, W. W. Fulmar Petrel [*Fulmarus glacialis*] near Flamborough Head. < *Zoologist*, xxii, 1864, p. 9365.

1864. COUES, E. A critical Review of the Family Procellariidæ; Part I., embracing the Procellariæ, or Stormy Petrels. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 72-91.

This is the first of a series of five papers in which the whole family Procellariidæ are critically reviewed. The Petrels are divided into three subfamilies, *Procellariinæ*, *Diomedeinæ*, and *Hulodrominæ*, the first of these into the sections *Procellariæ*, *Puffinæ*, *Fulmaræ*, *Æstrelatæ*, and *Prionæ*. Of the mode in which the genera and species are handled it may be remarked that those actually known by specimens to the author are carefully and satisfactorily described, and that the synonymy and criticism presented in such cases is in the main correct; but that the writer is not so fortunate in the instances in which he attempted to supplement his own knowledge by compilation from the writings of others, he having suffered not a little from imprudence in believing Bonaparte. The following 8 genera and 21 species of Procellariæ or "Stormy Petrels" are treated:—

1. *Oceanodroma furcata*. 2. *O. hornbyi*. 3. *Cymochorea* (g. n., p. 73) *leucorrhoa*. 4. *C. melania*. 5. *C. homochroa*, sp. n., p. 77. 6. *Halocyptena* (g. n., p. 78) *microsoma*, sp. n., p. 79. 7. *Procellaria pelagica*. 8? *P. tethys*. 9? *P. lugubris*. 10. *P. melitensis*. 11. *P. aereis*. 12. *P. fasciolata*. 13. *Oceanites oceanica*. 14. *O. lineata*. 15. *O. segethi*. 16. *O. gracilis*. 17. *Fregatta tropica*. 18. *F. grallaria*. 19. *F. melanogastra*. 20. *F. lawrencii*. 21. *Pelagodroma fregata*. The paper concludes with an analytical and diagnostic synopsis of these genera and species. For Part II, see next title: for Parts III-V, see 1866.

1864. COUES, E. A Critical Review of the Family Procellariidæ:—Part II.; Embracing the Puffinæ. < *Proc. Acad. Nat. Sci. Phila.*, xvi, 1864, pp. 116-144.

For Part I, see last title: for Parts III-V, see 1866. The "Shearwaters" are treated in this paper, under 5 genera and 21 spp., as follows:—

1. *Majaqueus æquinoctialis*. 2. *M. conspiciillatus*. 3. *Adamastor cinereus*. 4. *A. gelidus*. 5. *A. sericeus*. 6. *Thiclus spheunurus*. 7. *T. chlororhynchus*. 8. *Nectris fuliginosus*. 9. *N. amarusoma*, sp. n., p. 124. 10. *N. carncipes*. 11. *N. tenuirostris*. 12. *N. breviceaudus*. 13. *Puffinus kuhlii*. 14. *P. leucomelas*. 15. *P. crentopus* Cooper, MS., sp. n., p. 131. 16. *P. major*. 17. *P. anglorum*. 18. *P. yelcanus*. 19. *P. obscurus*. 20. *P. opisthomelas*, sp. n., p. 139. 21. *P. nugar*.

1864. MEYER, R. Verschlagene Sturm-vögel [*Thalassidroma* sp.]. < *Zool. Gart.*, v, 1864, pp. 24-26.

1864. JEITTELLES, L. H. [Verschlagene Sturm-vögel.] < *Zool. Gart.*, v, 1864, p. 88.

1864. RADCLIFFE, C. D. Wilson's Petrel [*Oceanites oceanicus*] in the Isle of Wight. < *Zoologist*, xxii, 1864, p. 88-92.

1865. GURNEY, J. H. Leach's Stormy Petrel [*Cymochorea leucorrhoa*] at Worthing. < *Zoologist*, xxiii, 1865, p. 9419.

1866. ANDERSSON, C. J. [On the mode of alimentation of Young Diomedæ: cf. Ibis, 1865, p. 279, seq.] < *Ibis*, 2d ser., ii, 1866, p. 324.

1866. BLACKMORE, H. Forktailed Petrel [*Cymochorea leucorrhoa*] near Salisbury. < *Zoologist*, 2d ser., i, 1866, p. 101.

1866. BROOKING-ROWE, J. Forktailed Petrel [*Cymochorea leucorrhoa*] at Plymouth. < *Zoologist*, 2d ser., i, 1866, p. 102.

1866. CARTE, A. On an Undescribed Species of Petrel [*Pterodroma caribbea*] from the Blue Mountains of Jamaica. < *P. Z. S.*, xxxiv, 1866, pp. 93-95, pl. x.

This is the Blue-Mountain Duck of Gosse, *B. Jam.*, p. 437, now first described and named.

1866. COUES, E. A Critical Review of the Family Procellariidæ:—Part III; embracing the Fulmaræ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 25-33.

For Parts I and II see 1864. This 3d part treats of the 3 genera *Fulmarus*, *Thalassoica*, and *Ossi-fraga*, of which are given the following species: *F. glacialis*, *F. pacificus*, *F. rodgersi*, *Th. glacialoides*, *Th. antarctica*, and *O. gigantea*.

1866. COUES, E. Critical Review of the Family Procellariidæ:—Part IV; Embracing the Æstrelatæ and Prionæ. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 134-172.

For Parts I, II, see 1864; for Parts III and V, see preceding and following titles.

This Part opens with a criticism of Bonaparte, whom the writer seems to have just begun to find out, and continues with a discussion of 20 spp. of 3 gen. of *Æstrelatæ*, and 5 spp. of 2 gen. of *Prionæ*; concluding with an analytical diagnostic synopsis of these two groups.

The genus *Æstrelata* (ιστρηλατος) is misspelled *Æstrelata*, as was the fashion then.



## 1866. COUES, E.—Continued.

I. CESTRELATÆ.—1. *Æstrelata hesitata*. 2. *Æ. lessoni*. 3. *Æ. rostrata*. 4. *Æ. parvirostris*. 5. *Æ. incerta*. 6. *Æ. neglecta*. 7. *Æ. solandri*. 8. *Æ. grisea*. 9. *Æ. mollis*. 10. *Æ. cookii*. 11. *Æ. gavia*. 12. *Æ. desolata*. 13. *Æ. macroptera*. 14. *Æ. fuliginosa*. 15. *Æ. aterrima*. 16. *Æ. bulveri*. 17. *Æ. macgillivrayi*. 18. *Æ. caribæi*. 19. *Pagodroma nigra*. 20. *Daption capensis*.

II. PRIONÆ.—1. *Halobæna cærulea*. 2. *Pseudoprion* (g. n., p. 164) *banksii*. 3. *Ps. turtur*. 4. *Ps. ariel*. 5. *Prion vittatus*.

1866. COUES, E. Critical Review of the Family Procellariidæ:—Part V; embracing the Diomedeinæ and the Halodrominæ. With a General Supplement. < *Proc. Acad. Nat. Sci. Phila.*, xviii, 1866, pp. 172-197.

For Parts III, IV, see preceding titles; for Parts I, II, see 1864.

This concluding paper of the series presents 12 spp. of Albatrosses under 2 genera, and 3 spp. of *Halodrominæ*, as follows:

I. DIOMEDEINÆ.—1. *Diomedea exulans*. 2. *D. brachyura*. 3. *D. leptorhyncha*, sp. n., p. 178. 4. *D. nigripes*. 5. *D. gibbosa*. 6. *D. melanophrys*. 7. *D. gilliana*, sp. n., p. 181. 8. *D. cauta*. 9. *D. culminata*. 10. *D. chlororhyncha*. 11. *D. olivaceirostris*. 12. *Phæbetria fuliginosa*.

II. HALODROMINÆ.—1. *Pelecanoides garnoti*. 2. *P. urinatrix*. 3. *P. berardii*.

The general supplement gives some additions to, and corrections of, all the five papers, and a bibliographical appendix identifies the Petrels treated by Linnaeus, Gmelin, Latham, Vieillot, Kuhl, Stephens, and Forster.

A recapitulation of the genera and species treated in all five papers gives the following result:

Subfamilies and sections.	Genera.	Species.	Doubtful species.
<i>Procellariinæ</i> :			
<i>Fulmaræ</i> .....	3	6	.....
<i>Cestrelatæ</i> .....	3	23	6
<i>Prionæ</i> .....	3	6	1
<i>Procellariæ</i> .....	7	21	5
<i>Puffinæ</i> .....	5	21	1
<i>Diomedeinæ</i> .....	2	12	2
<i>Halodrominæ</i> .....	1	3	2
Total.....	24	92	17

1866. DOUBLEDAY, H. Shearwater [*Puffinus anglorum*] at Epping. < *Zoologist*, 2d ser., i, 1866, p. 526.1866. GOULD, J. Habits of the Shorttailed Petrel (*Nectris brevicaudus*). < *Zoologist*, 2d ser., i, 1866, pp. 208-211.

Extracted from Gould's Handbook of the Birds of Australia, ii, p. 464.

1866. GUISE, M. V. Forktailed Petrel [*Cymochorea leucorrhœa*] at Elmore. < *Zoologist*, 2d ser., i, 1866, p. 229.1866. LOWNE, B. T. Notes on a Voyage round the World. < *Zoologist*, 2d ser., i, 1866, pp. 114-118.

Cursory remarks on a few *Procellariidæ*.

1866. RODD, E. H. Forktailed Petrel [*Cymochorea leucorrhœa*] at Penzance. < *Zoologist*, 2d ser., i, 1866, pp. 101, 102.1866. SAUNDERS, H. [Letter relating to various Procellariidæ.] < *Ibis*, 2d ser., ii, 1866, pp. 124-126.1866. SMEE, A. H. Leach's Petrel [*Cymochorea leucorrhœa*] at Shoreham. < *Zoologist*, 2d ser., i, 1866, p. 190.1867. BUXTON, T. F. Storm Petrel [*Procellaria pelagica*] at Cromer. < *Zoologist*, 2d ser., ii, 1867, p. 992.1867. GUNN, T. E. Storm Petrel [*Procellaria pelagica*] in Norfolk. < *Zoologist*, 2d ser., ii, 1867, p. 992.

1867. HUTTON, F. W. Notes on the Birds seen during a Voyage from London to New Zealand in 1866. < *Ibis*, 2d ser., iii, 1867, pp. 185-193.  
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- 1874? REINHARDT, J. Sur la structure anatomique des ailes dans la famille des Pétrels (Procellariidæ, s. Tubinæres). < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn for aaret 1873, 1874?* pp. 38-41.  
Résumé français.
- 1874? REINHARDT, J. Om Vingens anatomiske Bygning hos Stormfugle-Familien (Procellariidæ s. Tubinæres). < *Vidensk. Meddel. Naturhist. Foren. Kjöbenhavn for aaret 1873, 1874?* pp. 123-138, figg. in text.  
The actual date of the paper is in question; but it probably appeared in 1873.  
The wing-structure of *Procellariidæ* is treated with reference to the presence of one or two ossicles at the elbow-joint, developed in connection with the apophysial hooklet of the humerus, and the origin of the extensor metacarpi longus and extensor plicæ alaris. These ossicles are found in 6 genera and not in 8, but the 6 are enough richer in species to indicate that they occur in about two-thirds of the species of the family. Being peculiar to *Procellariidæ*, it is proposed to divide the group primarily upon this character.  
(*Cf. Cones, Am. Nat.*, viii, 1874, p. 546; *Zool. Rec.*, x, pp. 71, 72.)
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**Podicipedidæ.**

[N. B.—Hujusce familie nomen "*Podicipedidæ*" nec *Podicipidæ* rito scribendum, generis nomine a podice et pede derivato; unde *Podicipes*, scilicet "rump-foot."] ]

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*ecipine* and *Podilymbine*, and the following North American genera and species:—*Echmophorus* (g. n., p. 229) *occidentalis*; *E. clarkii*; *Podiceps cristatus*; *P. cooperi*; *P. (Dytes) cornutus*; *P. (Proctopus) californicus*; *P. (Pedetithya) holböllii*; *Sylbeocetus dominicus*; *Podilymbus podiceps*. Cf. *Ibis*, 1863, pp. 107, 108.

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tydning, Oprindelse og Historie. E. Om Geirfuglens Stilling till sine nærmeste Beslægtede. —Oplysning om Kaartet og Tavlen.—Tillægsaamærkning.

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This celebrated article is also published separately, 1 vol., 8vo., Kjöbenhavn, 1857. There are two German versions: one in *Gelehrten Anzeigen der k. Bayerischen Akad.*, 1860, pp. —; the other in *Bull. Acad. Imp. Sci. St.-Petersb.*, vi, 1863, pp. 513-576, reprinted in *Mélanges Biol. Acad. Imp. Sci. St.-Petersb.*, iv, 4<sup>e</sup> livr., 1864, pp. 399-490, by K. E. von Baer. There is also a French translation in *Bull. Soc. Ornith. Suisse*, ii, 1<sup>r</sup> pte., 1868, pp. 5-70. Cf. *Ibis*, 1865, p. 228; 1868, p. 342; *Zool. Rec.*, v, pp. 111, 112.

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Inhold: Indledning, p. 1. A. Geirfuglens Ophold ved den vestlige Side af Atlanterhavet o: ved de nordlige Dele af Nordamerikas Östkyst, p. 5. 1. Ved Grönlands Kyster, p. 6. 2. I St. Lawrencebugten, ved Newfoundland o. s. v., p. 12. B. Geirfuglens Forekomst ved Udøerne i den Östlige Del af Atlanterhavet, p. 39. 1. Ved Islands Kyster, p. 39. 2. Ved Færøerne, p. 51. 3. Ved de vestlige Skotske Smøøer, p. 54. 4. Ved Norges Kyster, p. 59. C. Summen af de enkelte Undersøgelser over Geirfuglens Udbredning, p. 63. D. Benævnelsen „Penguin“ Betydning, Oprindelse og Historie, p. 66. E. Om Geirfuglens Stilling til sine nærmeste Beslægtede, p. 76. Oplysning om Kaartet og Tavlen, p. 82. Tillægsaamærkning, p. 83.

Pl., ossa *Tetraonis urogalli* L. et *Alca impennis* L. varia inter Mytilos, Cardia, Ostreas, ceterasque reliquias cœnarum aboriginum Danie inventa. (*Översigt. Kongl. Vidensk. Selsks. Förh.*, 1855.)

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 There is a plate which belongs either to this article, or to V. Fatio's in the same part of the *Bulletin*.  
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1869. FEILDEN, H. W. [On certain specimens of Eggs of *Alca impennis*.] < *Ibis*, 2d ser., v, 1869, pp. 358-360.
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Aus d. *Offenbacher Ver. Naturk.*, x, p. 64.
- 1870? BRANDT, J. F. Ergänzung und Berichtigungen zur Naturgeschichte der Familie de Alciden. < *Bull. de l'Acad. Imp. des Sci. St.-Petersb.*, xiv, (1869-70), 1870?, pp. 449-497.  
The actual date of publication is in question: it is ostensibly November, 1869, but I doubt that it really appeared before 1870.  
Conspicuous familie Alcidarum, secundum Brandt:—Subfam. I.—*Pterorhines* seu *Alcinæ*. 1, *Alca*: a, *Plautus*; 1, *A. (P.) impennis*; b, *Utamania*; 2, *A. (U.) torda*. 2, *Uria*: a, *Lom-via*; 3, *U. (L.) arca*; 4, *troile*; b, *Grylle*; 5, *U. (G.) carbo*; 6, *grylle*; 7, *columba*. 3, *Brachy-ramphus*; 8, *B. marmoratus*; 9, *B. kitlitzii*. 4, *Synthliboramphus*; 10, *S. antiquus*; 11, *S. tem-minckii*; (App. *hypoleucus*, *craveri*). 5, *Mergulus*; 12, *M. melanoleucus*.  
Subfam. II.—*Gymnorhines* seu *Phalerinæ*. 6, *Ptychoramphus*; 13, *P. alenticus*. 7, *Sinor-hynchus*; a, *Tyloramphus*; 14, *S. (T.) cristellus*; b, *Phaleris*; 15, *S. (P.) camtschaticus*; 16, *pusillus*;? *cassini*. 8, *Ombria*; 17, *O. psittacula*. 9, *Ceratorhina*; 18, *C. monocerata*. 10, *Lunda*: a, *Ceratoblepharum*; 19, *L. (C.) arctica*; 20, *corniculata*; b, *Gymnoblepharum*; 21, *L. (G.) cirrata*.  
Anhang: Bemerkungen über die Gattung *Sagmatorrhina* Bp.—Übersicht der Alciden.—Bemerkungen über die Classificationen, die Entwicklungsstufen und die Verbreitung der Alciden.
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Pas vu moi-même.—Pour la liste, voir *tom. cit.*, 1868, pp. 80-85.
1870. GATCOMBE, J. Bridled Guillemot [*Uria hachrymans*] and Little Auk [*Mergulus alle*, near Plymouth]. < *Zoologist*, 2d ser., v, 1870, p. 2143.



1870. GISSING, T. W. [Egg of *Uria arra*,] Brunnich's Guillemot. < *Zoologist*, 2d ser., v, 1870, pp. 2261, 2262.
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1870. HÜGEL, A. DE. Great Auk's [*Alca impennis*] Eggs in Edinburgh. < *Zoologist*, 2d ser., v, 1870, p. 1982.  
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1870. JONES, J. M. The Great Auk [*Alca impennis*] from Funk Island. < *Zoologist*, 2d ser., v, 1870, pp. 2182, 2183.  
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1871. GURNEY, J. H., JR. Ringed Guillemot [*Uria ringvia*] near Flamborough. < *Zoologist*, 2d ser., vi, 1871, p. 2729.
1871. POTTS, T. H. Notes on an Egg of *Alca impennis*, Linn., in the Collection of the writer. < *Trans. and Proc. N. Z. Inst.* for 1870, iii, 1871, pp. 109, 110.  
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1872. ANON. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, pp. 3023, 3024.  
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Extract from I. I. Hayes's 'Land of Desolation.'
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At Middletown, Conn.; editorial note on same species at Middletown, Mass.
1872. GRIMSHAW, C. Mortality amongst Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., vii, 1872, p. 3025.
1872. GURNEY, J. H., JR. Great Auk [*Alca impennis*] at Disco. < *Zoologist*, 2d ser., vii, 1872, pp. 3064, 3065.  
Examination of evidence on the question, etc.
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1873. [SALVIN, O.] [Notice of Brandt's Memoir on Alcidae.] < *Ibis*, 2d ser., iii, 1873, p. 104.
1873. SMITH, CECIL. Guillemot [*Uria troile*] moulting its Quill-feathers. < *Zoologist*, 2d ser., viii, 1873, pp. 3454, 3455.
1874. ANON. The Great Auk [*Alca impennis*]. < *Am. Sportsman*, iv, 1874, p. 401, fig. 1.
1874. GURNEY, J. H. Note on the Changes of Plumage in Guillemots [*Uria troile*] and Razorbills [*Alca torda*]. < *Zoologist*, 2d ser., ix, 1874, p. 3954.
1874. H[ARVEY], M. The Great Auk [*Alca impennis*] in New Foundland. < *Forest and Stream*, ii, May 28, 1874, p. 244.
1874. NEWMAN, E. The Guillemots at the Zoological Gardens. < *Zoologist*, 2d ser., ix, 1874, pp. 4119, 4120.
1874. WALLIS, H. M. How the Puffin [*Fratercula arctica*] ascends to its Nest. < *Zoologist*, 2d ser., ix, 1874, pp. 4118, 4119.
1875. ANON. Relics of the Great Auk [*Alca impennis*] on Funk Island. < *The London Field*, Mar. 27, Apr. 3, Apr. 10, 1875.  
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1875. BOYES, F. Guillemot [*Uria troile*] bringing down its Young from the Cliff. < *Zoologist*, 2d ser., x, Feb., 1875, p. 4342.
1875. [ELLIOTT, H. W.] Birds that breed by millions [i. e., Alcidae of North Pacific]. < *Rod and Gun*, vi, May 1, 1875, p. 66.
1875. GURNEY, J. H. Variety of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., x, Mar., 1875, p. 4382.  
With yellow bill and feet.
1875. GURNEY, J. H., JR. Descent of the young Guillemot [*Uria troile*] from its Cliff. < *Zoologist*, 2d ser., x, Oct., 1875, p. 4666.
1875. GURNEY, J. H., JR. Young Razorbills [*Alca torda*] and Guillemots [*Uria troile*]. < *Zoologist*, 2d ser., x, Nov., 1875, pp. 4697, 4698.
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See p. 1449; respecting this specimen further information is here given.
1876. GURNEY, J. H., JR. Attitudes of the Guillemot [*Uria troile*]. < *Zoologist*, 2d ser., xi, June, 1876, p. 4958.
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1876. GURNEY, J. H., JR. Breast-bones of Guillemots [*Uria troile*]. < *Zoologist*, 2d ser., xi, Sept., 1876, p. 5056.

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1876. [INGERSOLL, E.] [Occurrence of *Mergulus alle* in New England.] < *Forest and Stream*, vi, Feb. 10, 1876, p. 4.
1876. SELATER, J. Scarcity of the Razorbill [*Alca torda*]. < *Zoologist*, 2d ser., xi, July, 1876, p. 5007.
1876. TUCK, J. G. The Puffin [*Fratercula arctica*]. < *Zoologist*, 2d ser., xi, June, 1876, p. 1958.

1877. BARROWS, W. B. Catalogue of the Alcideæ contained in the Museum of the Boston Society of Natural History, with a Review and proposed Classification of the Family. < *Proc. Bost. Soc. Nat. Hist.*, xix, for Apr. 4, 1877; pub. Oct.—Nov., 1877, pp. 150-165.

The paper treats of 21 spp., being those that the author recognizes as valid, whether specimens of them be in the Museum or not. These are ranged under the genera *Fratercula*, *Phaleris*, *Mergulus*, *Brachyrhamphus*, *Uria*, *Lomvia*, and *Alca*; dispensing with sub-families altogether.

1877. BUREAU, L. De la Mue du Bec et des Ornaments Palpébraux du Macareux arctique, *Fratercula arctica* (Lin.) Steph. après la saison des amours. < *Bull. Soc. Zool. de France*, 1877, pp. 1-22, table, pll. iv, v. (Aussi séparément, in-8°, Paris, 1877, pp. 1-22, table, pll. iv, v.)

I have only seen the separate, which however is identical with the *Bulletin* in which the paper originally appeared. In 1879 it was combined with a later paper on same subject, the two together being reissued apart from the *Bulletin* under the title of the later paper alone. See 1879, same author.

This is a contribution of great originality, interest, and importance. It establishes a before unsuspected fact, that *Fratercula arctica* regularly moults portions of the horny sheath of the bill, and also the excrescences upon the eyelids. The whole process and its results are presented in detail, according to the author's extended and novel researches. Two horse-shoe-shaped pieces, which are saddled on the bases of the upper mandible, and two other pairs of pieces; together with a similar shoe-shaped piece, and a similar pair of slender pieces, from the under mandible, making in all nine separate portions of the horny covering of the bill, are moulted; as is the excrescence upon each eyelid. All these deciduous pieces, as well as the permanent portions of the bill, are elaborately described, and the appearance of the bird at different seasons, conformably with these extraordinary circumstances, is also fully presented. The history of the author's experiences—how he came to make the discovery, and how he established the facts—is an interesting part of the paper. The conditions of the bill before, during, and after the process are figured in colors in an ingenious manner. The author was, of course, greeted with acclamation; the article was immediately translated, with editorial comment, by E. Coues, for the *Bulletin of the Nuttall Ornithological Club*, iii, Apr., 1878, pp. 87-91; and J. E. Harting gave a synopsis, with one of the plates, in the *Zoologist* of that year. The latter I have not seen.

M. Bureau's discovery naturally directed attention to the various and curious North Pacific allies of *F. arctica*, raising the expectation, afterward justified, that a similar condition of things would be established among these forms. The author discreetly forbore to prophecy, but entered upon the now obvious course of inquiry which resulted in 1879 in a second admirable paper on the same subject.

1877. [GRINNELL, G. B.] The Little Auk [*Mergulus alle*, in Connecticut]. < *Forest and Stream*, vii, Jan. 25, 1877, p. 388.
1877. NEWTON, A. [Remarks on Exhibition of a Variety of the Guillemot, *Uria troile*.] < *P. Z. S.*, Jan. 2, 1877, p. 2.

With yellow bill and feet, and white claws. Attention called to similar conditions of *Pica rustica* and of *Columbus torquatus*.

1877. [SCOTT, W. E. D.] Little Auk (*Mergulus alle* [inland]) < *The Country*, i, Dec. 15, 1877, p. 91.
1878. A[LLÉN], J. A. Barrow's "Catalogue of the Alcideæ." < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, p. 86.

Review of his paper in *Pr. Bost. Soc.*, xix, 1877, pp. 150-165.

1878. COUES, E. On the Moults of the Bill and Palpebral Ornaments in *Fratercula arctica*. < *Bull. Nutt. Ornith. Club*, iii, No. 2, Apr., 1878, pp. 87-91.

An unbridged translation, with notes, of L. Bureau's extraordinary paper in *Bull. de la Soc. Zool. de France*, 1877. 8vo, pp. 1-22, pll. 4, 5. Paris, 1877.

1878. [SCLATER, P. L., and SALVIN, O.] Bureau on the Moulting of portions of the Puffin's [*Fratercula arctica*] beak. < *Ibis*, 4th ser., ii, Oct., 1878, p. 475.

Notice of the remarkable paper in *Bull. Soc. Zool. de France*, 1877, pp. 1-22, q. v.

1878. [SCOTT, W. E. D.] [*Utamania torda* on the Coast of New Jersey, Feb. 7th.] < *The Country*, i, Mar. 2, 1878, p. 260.

1879. BUREAU, L. Recherches sur la Mue du Bec des Oiseaux de la Famille des Mormonidés. < *Bull. Soc. Zool. de France*, 1879, pp. 1-68, table, carte, pll. i-vi. (Aussi séparément, in-8°, Paris, F. Savy, 1879; pp. 1-68, table, carte, pll. i-vi.)

This I have not seen as published in the Bulletin. It was immediately reproduced, combined with the author's paper of 1877 on the same subject. See next title.

This paper continues the author's important researches into the moult of the bill in certain *Alcidæ*, and shows that, as was expected, the same conditions obtain among the various Pacific forms related to *Fratercula arctica*. The happy discovery, so important in itself, was further the means of settling the status of several vexed species. The following are the main points of this admirable study:

A family, *Mormonidæ*, is separated from *Alcidæ* to accommodate the genera *Fratercula*, *Lunda*, *Ceratorhyncha*, *Ombria*, and *Simorhynchus*, in which there is a moult of portions of the bill, and a double moult of the plumage. The whole matter of the seasonal changes, both of the bill and of the plumage, is very elaborately presented.

*Fratercula arctica* is differentiated into three geographical races, shown by a colored map to correspond with certain isothermal lines. *F. armoricana* (n. v.), of certain portions of Europe alone, chiefly south of 60° N. lat.; *F. islandica* (n. v.), of general dispersion on the north coast of Europe, in Iceland, Southern Greenland, Labrador, Newfoundland, and Kodiak Island in the Pacific; *F. glacialis*, of Spitzbergen, Northern Greenland, and possibly, Northern Labrador.

The moult of the bill in *Fratercula corniculata* is the same as in *F. arctica*, excepting that one pair of the deciduous pieces is wanting. The moult of the eyelids is the same.

The moult in *Lunda cirrhata* is the same as in *F. corniculata*, as far as the bill is concerned; but there are no excrescences to shed from the eyelids. The *Sagmatorkhina lathamii* of Bonaparte is the young bird.

*Chimerina cornuta* (*Ceratorhina monocerata*) moults the horn and a small horny strip below the nostrils. The *Cerorhina suckleyi* or *Sagmatorkhina suckleyi* is the same bird, young or old, without the horn.

*Ombria psittacula* sheds a saddle-shaped piece from the base of the upper mandible.

*Simorhynchus cristatellus* sheds all the red parts of the bill, in four pairs of pieces, three from the upper mandible. *S. "dubius"* and *S. "tetraculus"* are the same bird, without these ornaments.

*Simorhynchus camtschaticus* probably moults one pair of pieces from the upper mandible, being nearest in respect to *Ombria*. *S. cassini* of Coues is the young bird.

*Simorhynchus microceros* moults the tubercle on the upper mandible. *S. pusillus* is the same bird.

The author does not appear to have seen Brandt's latest paper, in which he makes a similar reduction of the species of this group. It may be added, without detracting in the least from the merit of M. Bureau's brilliant discovery, that his determinations of species are, without exception, the same as those given in E. Coues "Key to North American Birds," 1872. Neither Brandt nor Coues had any idea of the actual state of the case, so far as the moult of the bill is concerned, but made their determinations of species upon other considerations.

1879. BUREAU, L. Recherches [sur la] Mue du Bec des Oiseaux [de la] Famille des Mormonidés [par] Le Docteur Louis Bureau [etc., 6 lignes] | — | (Extrait du Bulletin de la Société Zoologique de France, [1877 et] 1879.) | — | Paris | Librairie F. Savy | 77, Boulevard Saint-Germain, 77 | — | 1879 8vo. Cover-title, half-title, title, each 1 leaf; pp. 1-22, 1 folding table, pll. iv, v; pp. 1-68, 1 folding table, 1 chart, pll. i-vi.

This brochure consists of two entirely distinct articles, united under the same three titles. The first article consists of the paper "De la Mue du Bec et des Ornaments palpébraux du Macareux arctique, *Fratercula arctica* (Lin.) Steph. après la saison des amours," pp. 1-22, table and 2 plates, reproduced from the *Bull. Soc. Zool. de France*, 1877. The second article is "Recherches sur la Mue du Bec des Oiseaux de la Famille des Mormonidés," pp. 1-68,

## 1879. BUREAU, L.—Continued.

table, map and 6 plates, reproduced from the *Bull. Soc. Zool. de France*, 1879. Each article is separately paged, and the two together are furnished with the cover-title, half-title, and regular title above given. The numbering of the plates is the same as in the *Bulletin*. For comment on these papers *see* each of them, 1877 and 1879, BUREAU, L.

1879. COUES, E. Note on *Alca nigricans*, Link. < *Bull. Natl. Ornith. Club*, iv, No. 4, Oct., 1879, p. 244.

Showing that this term, proposed by Link in 1806, has priority over any of the names usually employed for the Dovekie, *Mergulus alle* of authors.

1879. MAYNARD, C. J. Wanderings of a Naturalist. < *Town and Country* (newspaper of Boston), June, 1879.

Chap. IV. The Razor-billed Auk, *Alca torda*. Full biography.

## Spheniscidae.

1769. PENNANT, T. Account of the different Species of the Birds, called Pinguins.  
 < *Philos. Trans. for 1768*, lviii, 1769, pp. 91-99, pl. v.  
 Patagonian P., p. 91, pl. v, n. sp., not binomially named. The other two species given are the Lesser P. (= *Diomedea demersa* L.) and the Red-footed P. (= *Phaeton demersus* L.)
1774. M[URR], C. G. v. Beschreibung des Patagonischen Pinguins. Aus dem 58. Band der philosophischen Transactionen, vom Jahr 1769. übersetzt von C. G. v. M[URR]. < *Der Naturforscher*, i, 1774, pp. 258-261.  
 Cf. *op. cit.*, xxiii, 1788, p. 127.
1781. FORSTER, J. R. Historia Aptenodytæ, generis Avium orbi australi proprii.  
 < *Comment. Soc. Reg. Sci. Göttingen*, iii, 1781, (*Comm. Phys.*), pp. 121-148, pll.  
 Seen, but title taken at second hand.  
 This article stands easily first among the early writings upon the subject, marking a great advance upon previous knowledge of the family, and representing the starting-point of the exact literature of *Spheniscide*. Forster throws all the Penguins into one genus, *Aptenodytes*, dividing them into the *Cristatæ*, with one species, *chrysoconie*, and the *Alophæ*, with eight species. Of Forster's nine species, six are named for the first time: seven or eight are valid; four are valid and new. The species are: *A. chrysocome*, n. s., p. 135, pl. 1; *A. patchonica*, n. s., p. 137, pl. 2; *A. papua*, Scop., p. 140, pl. 3; *A. antarctica*, n. s., p. 141, pl. 4; *A. magellanicus*, n. s., p. 143, pl. 5; *A. demersus* Linn.; *A. catarractes*, n. s., p. 145 (= *Phaeton demersus* Linn.); *A. torquata*, u. s., p. 146; *A. minor*, n. s., p. 147.
1797. GEOFFROY ST.-HILAIRE, É. Sur les Manchots [*Spheniscide*]. < *Millin, Magas. Encycl.*, iii, vi, 1797, pp. 11, 12. (*Bull. Sc. Soc. Philom.*, i, ii, 1798, p. 81.)  
 Pas vu moi-même—le titre tiré de Carus et Engelmann.
1825. WEDDELL, —. Ueber die Aptenodytes und Diomedea-Arten Süd-Georgiens.  
 < *Fror. Notizen*, Bd. xii, nr. 255, 1825, pp. 198-200.  
 Not seen—title from Carus and Engelmann.
1832. EARLE, —. Die Brutplätze des Pinguins. < *Fror. Notizen*, xxxiv, No. 733, 1832, pp. 178-180.  
 Not seen.
1832. JÄGER, G. Theilung der Luftröhre durch eine Scheidewand bei der Fettgans (Aptenodytes demersa). < *Muller's Arch. Anat. Phys.*, vi, 1832, pp. 48-54.
1833. YARRELL, W. [On the Woolly and Hairy Penguins (Aptenodytes) of Latham.] < *P. Z. S.*, i, 1833, pp. 33, 34.
1833. YARRELL, W. [On the Identity of the Woolly Penguin of Latham with the Aptenodytes patachonica, Gmel.] < *P. Z. S.*, i, 1833, p. 65.
1834. BENNETT, G. [On the Habits of the King Penguin (Aptenodytes patachonica, Gmel.).] < *P. Z. S.*, ii, 1834, p. 34.
1834. BENNETT, G. [On the Habits of the King Penguin (Aptenodytes patachonica).] < *Lond. and Edinb. Philos. Mag.*, v, 1834, p. 231.  
 From *P. Z. S.*, May 13, 1834.
1834. BENNETT, G. [Sur la manière de vivre du Pinguin royale, Aptenodytes patachonica.] < *L'Institut*, ii, No. 81, 1834, p. 388.  
 Not seen—title from Carns and Engelmann.
1834. MEYEN, F. J. F. [*Spheniscus humboldtii*, sp. n.] < *Nova. Acta Acad. Cæs. Leop.-Carol.*, xvi, suppl. i, 1834, p. 110, pl. 21.  
 This is not properly citable as a separate title, the new Penguin being described in a paper of much wider scope.
1835. BENNETT, [G.] Ueber die Lebensart des Königspinguins (Aptenodytes patachonica). < *Oken's Isis*, Bd. xxviii, 1835, p. 1027.  
 Auszug aus *P. Z. S.*, ii, 1834, p. 34.

1835. REID, —. [Anatomical Description of the Patagonian Penguin (*Aptenodytes patachonica*, Forst.)] < *P. Z. S.*, iii, 1835, pp. 132-148.  
Very full, especially on the osteology and myology.
1835. REID, —. [Anatomical Description of the Patagonian Penguin, *Aptenodytes patachonica*, Forst.] < *Lond. and Edinb. Philos. Mag.*, vii, 1835, pp. 519-534.  
From *P. Z. S.*, Sept. 22, 1835, pp. 132-148.
1835. YARRELL, [W.] [Beschreibt den wolligen und den haarigen Pinguin, Lath. x. p. 392.] < *Oken's Isis*, Bd. xxviii, 1835, p. 523.  
From *P. Z. S.*, 1833, p. 33.
1837. BRANDT, J. F. Note sur une nouvelle espèce du genre *Catarhaetes* [*chrysoplus*] de Brisson. < *Bull. Acad. Impér. Sci. St.-Petersb.*, ii, 1837, pp. 314, 315.  
Not seen—title from *Roy. Soc. Cat.*
1838. BRANDT, [J. F.] Note sur une nouvelle espèce du genre *Catarhaetes* [*chrysoplus*] de Brisson. < *Revue Zoologique*, i, 1838, pp. 114, 115.  
Extraite du *Bull. de l'Acad. impér. de St.-Petersb.*, 7 Juillet 1837, pp. 314, 315.
1839. COUCH, J. Disposition of the Marsupialia. < *Charlesw. Mag. Nat. Hist.*, iii, 1839, p. 312.  
Extract from Goodridge's "Narrative of a Voyage to the South Seas," etc., Exeter, 1838, p. 45, giving "a plain sailor's" account of the temporary pouch in which the eggs of Penguins are carried; believed to be the earliest intimation recorded of the singular fact.
1840. BRANDT, J. F. Ueber die Flossentaucher (*Impennes* seu *Aptenodytidae*) als Typen einer eigenen Gruppe unter den Schwimmvögeln. < *Mém. de l'Acad. Imp. Sci. St.-Petersb.*, vi sér., v tome, ii pte., *Sci. Nat.*, iii, 1840, pp. 213-217, pl. xii (figg. 5-7), xiii.  
A subtitle, being the fifth part of the series entitled: .. Beiträge zur Kenntniss der Naturg. Vögel, " n. s. w.
1843. GRAY, G. R. *Aptenodytes*. < *Ann. Mag. Nat. Hist.*, xiii, 1843, p. 315.  
Discrimination of 2 spp. of "King" Penguins, hitherto confounded; one being named *A. pennanti*, the other *A. forsteri*, spp. nn.
1848. OBÆUF, —. Mœurs du pingouin de Patagonie (*aptenodytes patagonica*) et de deux autres espèces voisines. < *Arch. des Sci. Phys. et Nat. Genève*, vii, 1848, p. 244.  
*Revue Zoologique*, 1847, No. 8.
1855. BREWER, T. M. [On a Fossil Egg, supposed to be of a Penguin, from the Chincha Islands. < *Proc. Boston Soc. Nat. Hist.*, v, 1855, p. 107.  
\* Cf. *tom. cit.*, p. 165.
1855. HAYES, A. A. Report on a Specimen of Fossilized Egg, from the Guano Islands, off the coast of Peru. < *Proc. Boston Soc. Nat. Hist.*, v, 1855, pp. 165-167.  
The body is named *Oöguanolite*. Cf. p. 107, where the egg is supposed to be that of a Penguin.
1856. BONAPARTE, C. L. Conspectus *Ptilopterorum* Systematicus. < *Compt. Rend. de l'Acad. Sci. Paris*, xlii, 1856, p. 775.  
À la fin des "Tableaux paralléliques des Pélagiens ou Gaviæ" se trouve un *Conspectus Ptilopterorum Systematicus*, dans lequel l'auteur propose le genre *Eudyptula*, et donne les noms de *Aptenodytes rex* et *A. imperator*, "anct.", sans en donner aucune description.
1860. ABBOTT, CHARLES CONRAD. The Penguins [*Spheniscidæ*] of the Falkland Islands. < *Ibis*, ii, 1860, pp. 336-338.  
Field-notes on four spp.
1860. [SCLATER, P. L.] [Notice of a collection, containing five species of *Spheniscidæ*, made by Captain Pack at the Falkland Islands.] < *The Ibis*, ii, 1860, p. 432.
1860. GOULD, J. [Exhibition of a series of live Penguins, and descriptions of two new Species.] < *P. Z. S.*, xxviii, 1860, pp. 418, 419.  
*Eudyptes nigrivestis*, p. 418; *E. diadematus*, p. 419.

1861. GOULD, J. [On two new species of Penguins.] < *Ann. Mag. Nat. Hist.*, 3d ser., vii, 1861, pp. 217-219.  
From *P. Z. S.*, Nov. 27, 1860, pp. 418, 419.
1865. ANON. The Penguin at the Zoological Gardens [of London]. < *The Intellectual Observer*, vii, 1865, p. 321.  
Note on habits in captivity.
1865. ANON. Der Pinguin oder die Fettgans. < *Aus der Natur*, xxx, oder n. F., xxi, 1865, pp. 438-442.
1865. OWEN, R. On the Morbid Appearances observed in the Dissection of the Penguin (*Aptenodytes forsteri*). < *P. Z. S.*, xxxiii, 1865, pp. 438, 439.  
The species was afterward determined to be *A. pennanti*, not *A. forsteri*, as at first supposed.
1865. SCLATER, P. L. [Announcement of the arrival of a specimen of the King Penguin (*Aptenodytes pennanti*).] < *P. Z. S.*, xxxiii, 1865, p. 318.
1865. TEGETMEIER, W. B. The King Penguin (*Aptenodytes Pennantii*). < *The Intellectual Observer*, vii, 1865, pp. 403-409, 1 col'd pl., and 1 woodcut.
1867. SCHLEGEL, H. Urinatores < *Mus. Hist. Nat. Pays-Bas*, 9<sup>me</sup> livr., Avril, 1867, pp. 1-52.  
The "Urinatores" of this author consist of the genera *Spheniscus*, *Alca*, *Colymbus*, *Podiceps*, and *Heliornis*, and they are treated in the ninth livraison of the unfinished work above quoted, along with "Coraces," and the conclusion of "Anseres," occupying pp. 1-52 of the third of the three paginations of which this livraison consists. (The work is issued in serial fashion, and, until it is finished, with its parts rearranged, and furnished with title pages, it cannot easily be cited in any usual bibliographical manner.)  
The genus *Spheniscus* of this author, *i. e.*, the family *Spheniscidae*, occupies pp. 1-12 of the pagination just indicated, and is treated in the well-known manner. The species recognized and described at greater or less length are twelve in number, namely: *Spheniscus pennantii*, *patagonicus*, *adeliae*, *papui*, *antarcticus*, *chrysocome*, *chrysolophus*, *diadematus*, *catarractes*, *antipodes*, *minor*, and *demersus*.
1868. ANON. Der Pinguin in Patagonien . . . < *Aus der Natur*, xlv, oder n. F., xxxii, 1868, p. 239.
1868. ANON. Pinguine. < *Aus der Natur*, xlv, oder n. F., xxxiv, 1868, p. 800.  
„Man schätzt die im Jahre 1867 auf den Maluinischen Inseln getödteten Pinguine auf 405,000 Stück.“
1869. NEWTON, A. On the Origin of the Name "Penguin." < *Ann. Mag. Nat. Hist.*, 4th ser., iv, 1869, p. 133.  
Penguin or Penguwin meaning pen-wing or pin-wing; probably no relation with the Latin *pinguedo* or Welsh *pen gwyn*.
1870. [BAIRD, S. F.] Nesting place of Penguins. < *Harper's New Monthly Mag.*, xli, 1870, p. 152.  
A note on the carrying of the egg in the temporary pouch in the belly.
1870. FINSCH, O. Description of a new Species of Penguin [*Dasyrhamphus hereulis*]. < *P. Z. S.*, xxxviii, 1870, p. 322, pl. xxv.
1871. SUNDEVAL, C. J. [*Spheniscus mendiculus*, sp. n.] < *P. Z. S.*, 1871, p. 129.  
This is not properly citable as a separate title, for the description occurs in a paper "On Birds from the Galapagos Islands," *i. e.*, pp. 126-130; I, however, make the reference.
1872. A[LLEN], J. A. Catalogue of the Penguins in the Museum of the Boston Society of Natural History. < *Am. Nat.*, vi, 1872, pp. 545, 546.  
A review of A. Hyatt's paper, *Proc. Bost. Soc.*, xiv, 1872, pp. 237-251. (Cf. *Am. Nat.*, vi 1872, pp. 472, 473.)
1872. C[OUES], E. The Boston Society's Ornithological Catalogue. < *Am. Nat.*, vi, 1872, pp. 472, 473.  
A review of A. Hyatt's paper on the *Spheniscidae*, *Proc. Bost. Soc.*, xiv, 1872, pp. 237-251, (Cf. *Am. Nat.*, vi, 1872, pp. 545, 546.)



1872. COUES, E. Osteological Notes [on Spheniscidæ]. < *Proc. Bost. Soc. Nat. Hist.*, xiv, 1872, pp. 251-253.

A subtitle in conclusion of a preceding article, *i. e.*, *Hyatt's Catalogue of the Ornith. Collection of the Boston Soc. Nat. Hist.*, pp. 237-251. These "notes" consist of a sketch of the leading features of the skeleton.

1872. COUES, E. Material for a Monograph of the Spheniscidæ. < *Proc. Acad. Nat. Sci. Phila.*, xxiv, 1872, pp. 170-212, pl. 4, 5.

Based chiefly on the specimens in the Museums of the Smithsonian Institution and of the Philadelphia Academy, the former being notable as containing T. R. Peale's types, and the latter including the largest collection of *Pinguinus* in America.

The copious synonymy gives nearly every name, generic or specific, which had at that time been proposed for this group of birds; and each species recognized by the author is fully described, with much critical matter. The paper is divided into parts, as follows:

I. On the Literature of the Subject, pp. 170-181. This is a list, in chronological order, of the principal writings upon Penguins, sufficiently analyzed to give the gist of each author, especially with reference to the successive establishment of new generic and specific names, and the identification thereof; it takes note not only of special papers on *Spheniscidæ*, but also of those portions of more general works which treat of birds of this family. Those who have occasion to look up the literature of *Spheniscidæ* will find this article in some respects more satisfactory than the present Bibliography.

II. On Certain Points of Cranial Structure bearing upon the Determination of the Genera, pp. 181-189. The author describes the skulls of various species in sufficient detail to show that there are three leading modifications of the cranium, upon which he would recognize three genera, *Aptenodytes*, *Eudyptes*, *Spheniscus*; he however retains for certain species a fourth genus, *Pygoscelis*. The wing and leg bones of *Aptenodytes* are also described. This part of the subject is illustrated with the two plates.

III. On the Geographical Distribution of the Family, pp. 189, 190, followed, p. 191, by a Key to the Species.

IV. Determination of the Species, pp. 192-212. The following species are recognized:

1. *Aptenodytes patagonica* Forst. (*forsteri* Gray, *imperator* Bp.).
2. *Aptenodytes longirostris* Scop. (*putachonica* Aliq., *pennanti* Gray, *rex* Bp.).
3. *Pygoscelis tenuata* Peale (*pupus* Forst., *magleri* Sel.).
4. *Pygoscelis adelia* H. and J. (*breirostris* Gray, *longicauda* Peale, *herculis* Finsch.).
5. *Pygoscelis antarctica* Forst.
6. *Eudyptes antipodes* H. and J. (*flavilanceata* Peale). [*fuca* Bonn.).
7. *Eudyptes catarrhactes* Forst. (*Phaëtton demersus* L., *cristata* Shaw, *saltator* Steph., *gor-*
8. *Eudyptes chrysocome* Forst. (*pachyrhyncha* Gray, *nigripes* Gould).
9. *Eudyptes chrysolopha* Brandt.
10. *Eudyptes diadematus* Gould.
11. *Spheniscus minor* Forst. (*undina* Gould).
12. *Spheniscus demersus* Linn., with *S. magellanicus* as a variety  
*Spheniscus mendiculus* Sund., not treated.

Cf. Zool. Rec. for 1872, p. —; *Am. Nat.*, vii, 1872, pp. 38-40.

It may be useful to give here in chronological order a nearly complete list of the names which have been proposed for *Spheniscidæ*, beginning with Linnaeus:

1766. *Diomedea demersa* Linn., *Syst. Nat.*, i, p. 214.
1766. *Phaëtton demersus* Linn., *Syst. Nat.*, i, p. 219.
1777. *Aptenodytes longirostris* Scopoli.
1777. *Aptenodytes papua* Scopoli.
1777. *Aptenodytes platyrhyncha* Scopoli.
1781. *Aptenodytes chrysocome* Forst., *Comm. Reg. Soc. Sci. Gött.*, iii, p. 135.
1781. *Aptenodytes patachonica* Forst., *l. c.*, p. 137.
1781. *Aptenodytes antarctica* Forst., *l. c.*, p. 141.
1781. *Aptenodytes magellanicus* Forst., *l. c.*, p. 143.
1781. *Aptenodytes catarrhactes* Forst., *l. c.*, p. 145.
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 “Un examen détaillé des os et des muscles du *Nothura major* nous amène à conclure que si les Tinamidés ont de grandes ressemblances soit avec les Antruches, soit avec les Gallinacés, on ne peut pourtant pas les confondre avec l'un ou l'autre de ces deux groupes, et qu'ils diffèrent encore plus des Rallidés, des Échassiers pressirostres, longirostres et des Palmipèdes, auxquels ils ne se rattachent que par des traits isolés. Nous sommes ainsi conduits, tout en tenant compte de ces affinités, à partager l'opinion de Lherminier, qui faisait de ces Oiseaux un groupe séparé.”
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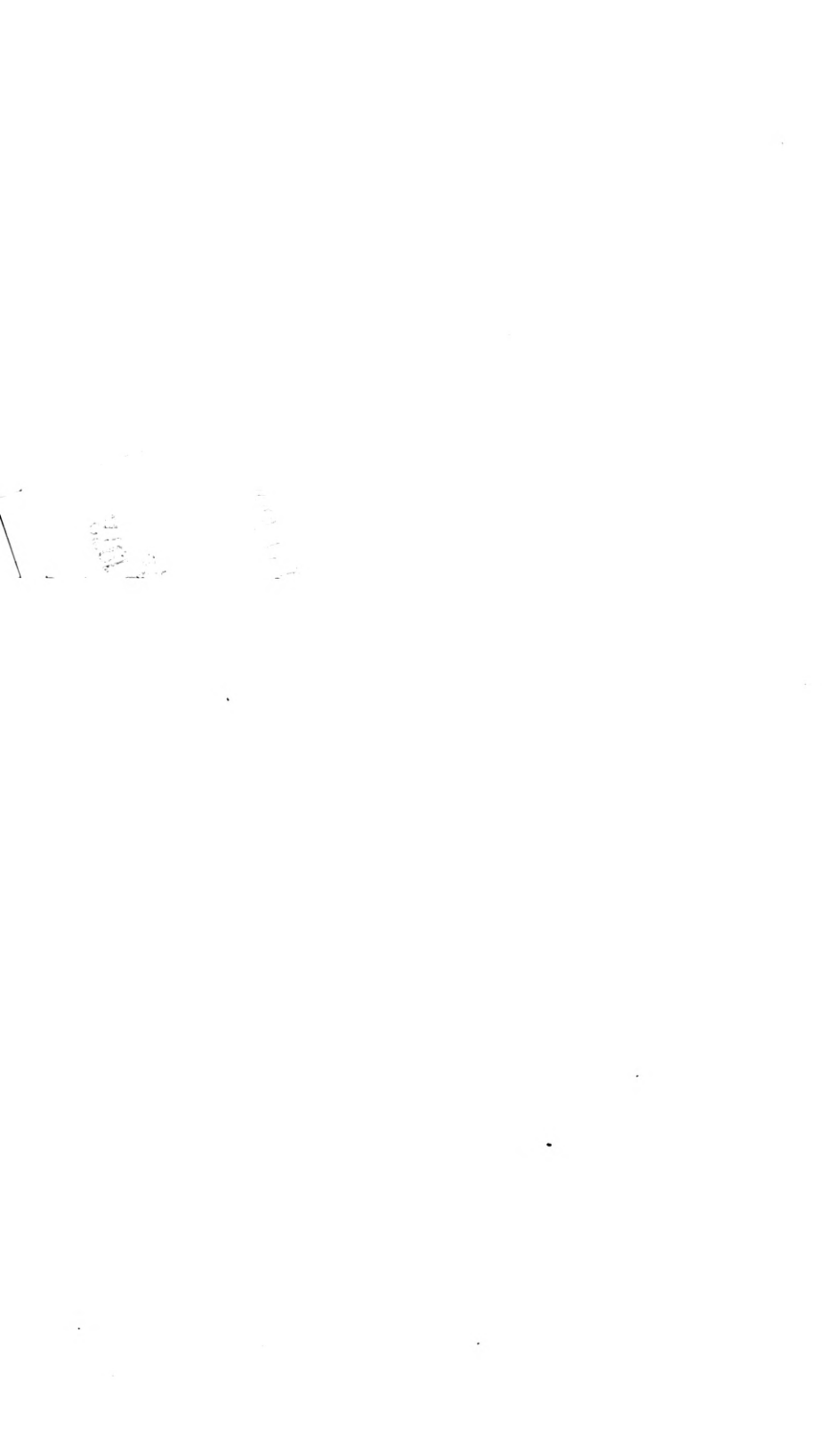














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